

Mecklenburg Co.

17

6013 2006



Facility Permit No: 60-13
North Mecklenburg C&D Landfill Facility
Permit to Operate
Expansion II, Phases 1A, 1B, 2 & 3
October 26, 2006

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

SOLID WASTE LANDFILL

FACILITY PERMIT

C&D Management Company, LLC. (Landowner)
North Mecklenburg Landfill, Inc. (Operator)

are hereby issued a

PERMIT to OPERATE

the

NORTH MECKLENBURG C&D LANDFILL FACILITY
Expansion II, Phases 1A, 1B, 2 & 3

Located on 15300 Holbrooks Road, southeast of the town of Huntersville, in Mecklenburg County, North Carolina, in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated there under and subject to the conditions set forth in this permit.

Edward F. Mussler III
CN = Edward F. Mussler III, C =
US, O = Division of Waste
Management, OU = Solid Waste
Section
I have reviewed this document
and I am approving this document
2006.10.26 09:32:50 -04'00'

Edward F. Mussler, III, P.E.,
Permitting Branch Supervisor
Solid Waste Section

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Telephone 919-508-8400 \ Fax 919-733-4810 \ Internet <http://wastenotnc.org>
An Equal Opportunity / Affirmative Action Employer - Printed on Dual Purpose Paper

ATTACHMENT 1
Permit History

C&DLF FACILITY PERMIT NO: 60-13	ISSUANCE DATE
Original MSWLF Facility-PTO	June 24, 1993
Amendment (PTO)	March 7, 1995
Amendment(PTO)	October 26, 2001
Expansion II (PTO) Phase 1A	March 12, 2006
Expansion II (PTO) Phase 1A, 1B	April 20, 2006
Expansion II (PTO) Phases 2 & 3	October 26, 2006

ATTACHMENT 2
Approved Documents

Documents 1-14 are contained in previous permits.

15. *North Mecklenburg C&D Reclamation "Center. Expansion II Permit. Site Plan Application Report. North Mecklenburg Landfill, Inc. Griffin Brothers Enterprises, Inc. C&D Management Company, LLC. Huntersville, North Carolina.* Prepared for: North Mecklenburg Landfill, Inc. Huntersville, NC, Prepared by: Enviro-Pro, P.C. Fort Mill, SC. September 15, 2005. Revised through March 8, 2006. Project No. EP-1401.
16. *C&D Landfill Permit Application. Engineering Report for the North Mecklenburg C&D Landfill. Expansion II.* Prepared for North Mecklenburg Landfill, Inc. Cornelius, NC. Prepared by; B.P. Barber & Associates, Inc. Columbia, SC. October 27, 2005. Revised through February 15, 2006. Project No. 05185. Includes construction plan drawings (C1 through C17).
17. "Boundary Survey and Legal description of Expansion II". Prepared by: B. P. Barber Associates Inc. February 15, 2006.
18. *Amendment to Construction and Demolition Debris Landfill Ordinance and Franchise Agreement.* Issued by: Mecklenburg County. Issued to: North Mecklenburg Landfill, Inc. Minute Book 42-A. February 14, 2006.
19. *Construction Documentation North Mecklenburg C&D Landfill Expansion II, Phase 1.* Prepared by: B.P. Barber & Associates, Inc. Columbia, SC. Prepared for North Mecklenburg Landfill, Inc. Cornelius, NC. April 3, 2006
20. *Construction Documentation North Mecklenburg C&D Landfill Expansion II, Phases 2 & 3.* Prepared by: B.P. Barber & Associates, Inc. Columbia, SC. Prepared for North Mecklenburg Landfill, Inc. Cornelius, NC. October 17, 2006

ATTACHMENT 3
Conditions of the Permit

General Conditions

1. This permit shall be reviewed on March 10, 2011, five years from the issuance date of the permit to operate for the initial phase of Expansion II. The anticipated operating life of this unit is approximately four years; however, if the unit operates past June 30, 2008, the owner/operator shall comply with the rules in effect at that time.
2. The Expansion II area, including all three phases, is approximately 25 acres and adds a gross capacity of 954,200 cubic yards. The landfill's anticipated disposal rate is approximately 300,000 tons per year and shall be consistent with the franchise, Attachment 2, Document 18.
3. This facility may receive solid waste that is generated within a service area consisting of Mecklenburg, Union, Cabarrus, Catawba, Lincoln, Iredell and Gaston Counties in North Carolina and Lancaster and York Counties in South Carolina, consistent with local government waste management plans(s) and with local government approval.
4. This permit is not transferable.
5. The owner or operator of the landfill facility shall not knowingly dispose of municipal solid waste that is generated within the boundaries of a unit of local government that by ordinance:
 - a. Prohibits generators or collectors of municipal solid waste from disposing of that type or form of municipal solid waste.
 - b. Requires generators or collectors of municipal solid waste to recycle that type or form of municipal solid waste.
6. The facility operator shall have completed an approved operator training course in compliance with G.S. 130A-309.25.
 - a. A responsible individual certified in landfill operations shall be on-site at all times during all operating hours of the facility at all times while open for public use to ensure compliance with operational requirements.
 - b. All pertinent landfill-operating personnel shall receive training and supervision necessary to properly operate the landfill units in accordance with G.S. 130A-309.25 and addressed by memorandum dated November 29, 2000.

7. In the event of conflicts between this Permit to Operate and previously issued conditions, the conditions of this Permit to Operate shall supersede previously issued conditions.
8. Additional conditions and revision of the approved documents or changes during the operation of the landfill require approval by the North Carolina Solid Waste Section.
9. On or before August 1 annually, the permittee shall report the tons of waste received and disposed in the landfill units to the Solid Waste Section and to all counties from which waste was accepted on forms prescribed by the Section. The following is information regarding the annual reports:
 - a. The reporting period shall be for the previous year beginning July 1 and ending June 30.
 - b. The annual report shall list the amount of waste received and landfilled in tons and be compiled:
 - i. On a monthly basis.
 - ii. By county, city or transfer station of origin.
 - iii. By specific waste type.
 - iv. By disposal location within the facility.
 - v. By diversion to alternative management facilities.
 - c. A copy of the completed report shall be forwarded to each county manager for each county from which waste was received at the facility.
 - d. A copy of the report and documentation that a copy of the report has been forwarded to all counties from which waste was accepted must be sent to the regional Waste Management Specialist by the date due on the prescribed annual report form.
 - e. A measurement of volume utilized in the CDLF landfill cells shall be performed during the second quarter of the calendar year. The date and volume, in cubic yards, shall be included in the report.
 - f. The amount of waste, in tons from scale records, disposed in the C&DLF landfill cells since October 19, 2006 through the date of the annual volume survey.
10. Ground water quality at this facility is subject to the "Classifications and Water Quality Standards Applicable to the Groundwater of North Carolina", 15A NCAC 2L. This includes, but is not limited to, provisions for detection monitoring, assessment, and corrective action.

Operational Conditions

11. The C&DLF unit is permitted to receive construction or demolition debris and land clearing and inert debris as follows:
 - a. "Construction or demolition debris" as defined in G.S. 130A-290(a)(4) means solid waste resulting solely from construction, remodeling, repair or demolition operations on pavement, buildings, or other structures, but does not include inert debris, land-clearing debris or yard debris.
 - b. A land clearing and inert debris landfill as defined in Rule .0101(54) means a facility for the land disposal of land-clearing waste, concrete, brick, concrete block, uncontaminated soil, gravel and rock, untreated and unpainted wood and yard trash.
 - c. Land Clearing Waste as defined in Rule .0101(53) means solid waste which is generated solely from land clearing activities, limited to stumps, trees, limbs, brush, grass, and other naturally occurring vegetative material.
 - d. Asphalt in accordance with G.S. §130A-294(m).
12. The C&DLF unit shall not receive the following waste types:
 - a. "Yard trash" as defined in G.S. 130A-290(a) (45) shall not be disposed in the landfill area. However, yard trash along with land-clearing debris may be accepted for processing as mulch or disposal in a LCID landfill.
 - b. Municipal solid wastes, hazardous wastes, or liquid wastes are not permitted for acceptance or disposal in the C&DLF unit.
13. Operation of the C&DLF unit shall be in accordance with 15A NCAC 13B, Rule.0505, the approved Operations Plan, and the following specific conditions.
14. Waste shall be covered with six inches of suitable cover at least once per week, or when the active working area reaches one-half acre in size, or more often as necessitated by the nature of the waste, so as to prevent the site from becoming a visual nuisance and to prevent fire, windblown materials, vectors, or water infiltration. Areas that have not received additional waste for twelve months or more, but where final elevations have not been reached, shall be covered with one-foot of soil cover.

15. The permittee shall actively employ a screening program for the C&DLF unit that detects and prevents the disposal of MSW, hazardous, liquid or non-permitted wastes. At a minimum, the program shall include:
- a. Random inspections of incoming loads or other comparable procedures.
 - b. Records of any inspections.
 - c. Training of personnel to recognize hazardous and liquid wastes.
 - d. Development of a contingency plan to properly manage any identified hazardous, liquid or MSW wastes.
 - e. The plan must address identification, removal, storage, and final disposition of waste.
16. Closure Requirements. The C&DLF unit shall be closed in accordance with the approved plans and the requirements of the Division of Waste Management at the time of closure. A closure and post-closure plan must be submitted for approval at least 90 days prior to closure or partial closure of any landfill unit. The plan must include all steps and measures necessary to close and maintain the C&DLF unit in accordance with all rules in effect at that time. At a minimum, the plan shall address the following:
- a. Design of a final cover system as required by the solid waste management rules in effect at the time of closure;
 - b. Construction and maintenance/operation of the final cover system and erosion control structures;
 - c. Surface water, ground water, and explosive gas monitoring.

Monitoring and Reporting Conditions

17. Ground-water monitoring wells and monitoring requirements for the C&DLF Unit shall be in accordance with the monitoring system approved for the facility and these additional conditions:
- a. The permittee shall sample the monitoring wells on a semi-annual basis, or as directed by the SWS Hydrogeologist.
 - b. Sampling methods and equipment shall conform to specifications in, "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities". Sampling parameters shall conform to those found in, "Sampling and Analysis Requirements".

- c. The permittee shall maintain a record of all monitoring events and analytical data. Reports of the analytical data for each sampling event shall be submitted to the Division in a timely manner.
 - d. A readily accessible unobstructed path shall be maintained so that four-wheel drive vehicles may access the monitoring wells at all times.
18. The permittee shall maintain a record of all monitoring events and analytical data. Reports of the analytical data for each water quality monitoring sampling event shall be submitted to the Section in a timely manner.
19. Explosive gas monitoring shall be performed as needed to ensure compliance with the standards in Rule .0503 (2) (a).



Facility Permit No: 60-13
North Mecklenburg C&D Landfill Facility
Part 1-Permit to Construct
Expansion II, Phases 2 & 3
June 26, 2006

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
Dexter R. Matthews, Director Division of Waste Management Michael F. Easley, Governor
William G. Ross Jr., Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

**SOLID WASTE LANDFILL
FACILITY PERMIT**

C&D Management Company, LLC. (Landowner)
North Mecklenburg Landfill, Inc. (Operator)

are hereby issued a

PERMIT TO CONSTRUCT

The
NORTH MECKLENBURG C&D LANDFILL FACILITY
Expansion II Phases 2 & 3

Located at 15300 Holbrooks Road, southeast of the Town of Huntersville, in Mecklenburg County, North Carolina in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The facility is located and described by the legal description of the site contained on page two of this permit.

Edward F. Mussler III
CN = Edward F. Mussler III, C = US,
O = Division of Waste Management,
OU = Solid Waste Section
I have reviewed this document and I
am approving this document
2006.06.26 16:08:10 -04'00'

Edward F. Mussler, III, P.E.,
Permitting Branch Supervisor
Solid Waste Section

LEGAL DESCRIPTION OF REAL PROPERTY

The permitted municipal solid waste landfill is located and described by the legal description of the site or the property map contained within the approved application and includes the following properties recorded in the Mecklenburg County Register of Deeds Office.

1. Property in the Expansion, Mecklenburg County, NC, Register of Deeds.

Mecklenburg County, N.C. Register of Deeds					
Map Legend	Book	Page	Grantor	Grantee	Acres
4	18,455	134	Patsy H Holbrooks	C&D Management Company, LLC	4.510
5	18,690	961	John F Locklear	C&D Management Company, LLC	21.750
6	19,649	894	Catawba Lands Conservancy	C&D Management Company, LLC	3.083
Total Acreage					29.343

Pursuant to N.C. General Statutes 130A-301, whenever the municipal solid waste facility or any portion of the land within this permit is sold, leased, conveyed or transferred, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument a statement that the property has been used as a sanitary landfill and a reference by book and page to the recordation of the permit.

ATTACHMENT 1

PART 1: PERMIT HISTORY

Issuance	Date
Original Issue (PTO)(Ph.1)	June 24, 1993
Amendment 1 Phase 2	March 7, 1995
Amendment 2 (PTC)	October 19,2001
Amendment 3 (PTO) 4.4 acres	October 26, 2001
Expansion II (PTC) Phase 1.	March 10, 2006
Expansion II (PTC) Phases 2 & 3	June 26, 2006

Part 2: LIST OF APPROVED DOCUMENTS

Documents 1-14 are contained in previous permits, identified above.

15. *North Mecklenburg C&D Reclamation "Center. Expansion II Permit. Site Plan Application Report. North Mecklenburg Landfill, Inc. Griffin Brothers Enterprises, Inc. C&D Management Company, LLC. Huntersville, North Carolina. Prepared for: North Mecklenburg Landfill, Inc. Huntersville, NC, Prepared by: Enviro-Pro, P.C. Fort Mill, SC. September 15, 2005. Revised through March 8, 2006. Project No. EP-1401.*
16. *C&D Landfill Permit Application. Engineering Report for the North Mecklenburg C&D Landfill. Expansion II. Prepared for North Mecklenburg Landfill, Inc. Cornelius, NC. Prepared by; B.P. Barber & Associates, Inc. Columbia, SC. October 27, 2005. Revised through February 15, 2006. Project No. 05185. Includes construction plan drawings (C1 through C17).*
17. *"Boundary Survey and Legal description of Expansion II". Prepared by: B. P. Barber Associates Inc. February 15, 2006.*
18. *Amendment to Construction and Demolition Debris Landfill Ordinance and Franchise Agreement. Issued by: Mecklenburg County. Issued to: North Mecklenburg Landfill, Inc. Minute Book 42-A. February 14, 2006.*

- End of Section -

ATTACHMENT 2 CONDITIONS OF PERMIT

General Conditions

1. This condition not used.
2. When this property is sold, leased, transferred or conveyed, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument, a statement that the property has been used as a sanitary landfill.
3. The gross facility capacity, including the expansion is 2 million cubic yards. The size of the Expansion II area is 24.92 acres, and adds a gross capacity of 954,200 cubic yards. Gross capacity is defined as top of subgrade through the top of the final contours as identified in the approved plan, Part 2, Document 16. The landfill's disposal rate is approximately 300,000 tons per year. The franchise begins on August 1, 2006 and ends on July 1, 2011 (Attachment 1, Part 2, Doc. 18).
4. This facility may receive solid waste that is generated within a service area consisting of Mecklenburg, Union, Cabarrus, Catawba, Lincoln, Iredell and Gaston Counties in North Carolina and Lancaster and York Counties in South Carolina.
5. The approved plan for this facility is described in Attachment 1, "List of Documents for Approved Plan". Where discrepancies exist, the most recent submittal and these Conditions shall govern. Some components of the approved plan are reiterated in these Conditions.
6. This permit is not transferable.
7. All pertinent records and reports including a copy of this permit and the approved plans shall be maintained at the facility and made available to the Division upon request.
8. The owner/operator is responsible for obtaining any and all permits and approvals necessary for the development of this project including approval from appropriate agencies for a General or Individual NPDES Stormwater Discharge Permit.
9. Prior to operation of the facility and at all times of operation, the permittee shall be in compliance with all applicable lawfully adopted local ordinances.

10. Prior to construction of the Expansion II, Phases 2 & 3, all piezometers, ground-water monitoring wells and borings located in the proposed cell with the exception of non-cased borings are to be properly abandoned by over-drilling and sealing each location with cement grout according to 15A NCAC 2C .0113 (b)(1), "Procedures for Permanent Abandonment of Wells." In portions of the site where soil areas are to be undercut, do not grout in the wells up to pre-grade land surface, but up to proposed base grade surface cutting off excess vertical grout and possibly damaging the grouted wells.

Construction

11. This permit is for the development of the North Mecklenburg Construction and Demolition Landfill, Expansion II, Phases 2 & 3, within the approved facility description, in accordance with the approved plan (Attachment 1, Part 2, Docs 15 and 16). Phases 2 & 3 are approximately 20 acres, 753,300 cubic yards of gross airspace. Construction of additional phases will require written approval of the Division.
12. All sedimentation and erosion control measures will be conducted in accordance with the Sedimentation Control Act codified at 15 NCAC 4. Native vegetation shall be established on the completed landfill.

Monitoring and Reporting

13. Monitoring well design and construction shall conform to the specifications outlined in "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities."
14. The monitoring well locations for Expansion II, Phases 2 & 3 are illustrated in the approved plans and shall be established to monitor that area.
15. A geologist shall be in the field to supervise well installation. The exact locations, screened intervals, and nesting of the wells shall be established after consultation with the Division Hydrogeologist at the time of well installation.
16. Prior to the acceptance of any waste at the facility, a baseline-sampling event shall be completed. The results of this sampling event shall be submitted to the Division Hydrogeologist within 30 days after the sampling event unless otherwise approved in writing.
17. Well completion records and boring logs shall be submitted to the Division at the same time as the results of the initial sampling event or within 30 days upon completion of any new wells.

18. Each monitoring well shall be surveyed and hydraulic conductivity values and effective porosity values shall be established for the screened intervals for each monitoring well.
19. Data shall be used to determine ground water flow directions and rates for the facility.
20. Accessible and unobstructed paths shall be cleared and maintained so that four-wheel drive vehicles may access the monitoring wells at all times.
21. The permittee shall establish two locations for surface water sampling. Surface water shall be sampled and analyzed semi-annually according to the protocol and parameters required by the Division at the time of sampling.
22. The permittee shall maintain a record of all monitoring events and analytical data. Reports of the analytical data for each water quality monitoring sampling event shall be submitted to the Division in a timely manner.

- End of Section -

60-13



FAX TRANSMISSION

Date: 10-25-06Time: 9:20 a.m. p.m.To: Brian WoottonFrom: Tom BelyardSubject: G.W. Sampling DataBrian:

Attached is the Text & Table from our 3/14/06
Report. Call me if you need any additional
information.

TBNumber of pages (including cover sheet): 5



60-13

March 14, 2006

Mr. Brian Wootton
North Carolina DENR
Solid Waste Section
Division of Waste Management
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Subject: Initial Monitoring Report
North Mecklenburg C&D Landfill – Expansion Area II
15300 Holbrooks Road
Huntersville, North Carolina
Project Number: EP-1401

Dear Mr. Wootton:

In accordance with our approved Site Plan Application Report, Enviro-Pro, P.C. (EP) personnel have completed the initial round of sampling at the subject site prior to any landfilling activities.

Please contact me at (803) 547-4955 if you have any questions concerning this Report.

Sincerely,
ENVIRO-PRO, P.C.

A handwritten signature in cursive script that reads "Thomas H. Bolyard".

Thomas H. Bolyard, P.G.
Senior Hydrogeologist

cc: Mr. Mike Griffin, Griffin Brothers Companies



INITIAL MONITORING REPORT

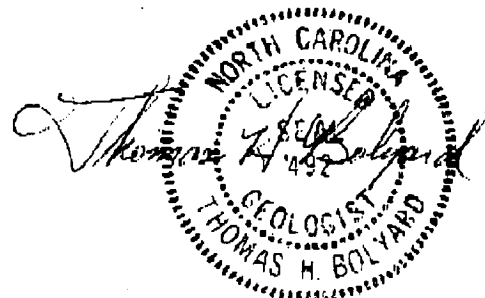
North Mecklenburg C&D Landfill -- Expansion Area II
15300 Holbrooks Road
Huntersville, North Carolina

Prepared for:
Mr. Mike Griffin
Griffin Brothers Companies
19109 West Catawba Avenue, Suite 200
Cornelius, North Carolina 28031-5613

Prepared by:
Enviro-Pro, P.C.
2646 Farmlake Lane
Fort Mill, South Carolina 29708

Project Number EP-1401

March 13, 2006



-1-

Enviro-Pro, P.C. (EP) conducted the initial round of sampling for the North Mecklenburg C&D Expansion Area II Landfill facility on February 24, 2006. This sampling included permanent groundwater monitor wells MW-1 through MW-6 previously installed on February 8, 2006.

All samples were collected as described in the approved Surface Water/Groundwater Monitoring Plan and were then transported to the Pace Analytical Services laboratory in Huntersville, North Carolina for analysis of volatile organic compounds (Method 8260B) and the eight RCRA metals. The completed Chain of Custody Record for these samples along with the Laboratory Report of Analysis is attached as Appendix A. The Well Development, Purge, and Sample Record is provided as Appendix B.

A summary of groundwater analytical results is presented in Table 1. Chromium and Barium were detected in MW-3. However, neither of these concentrations exceeded their respective NC DENR 2L Standard. Barium was also detected in groundwater samples MW-1, MW-2, MW-4, MW-5, and MW-6 at concentrations below its 2L Standard. The detection of these metals reflects naturally occurring levels in this area.

The first semi-annual sampling event for the North Mecklenburg C&D Landfill Expansion Area II site is scheduled for September 2006.

TABLE 1
SUMMARY OF GROUNDWATER SAMPLING RESULTS
North Mecklenburg C&D Landfill Expansion Area II
Holbrooks Road, Huntersville, North Carolina
March 13, 2006

Well ID			Barium	Chromium
Well ID	Sample ID	Date Collected	Barium	Chromium
MW-1	MW-1	2/24/06	0.074	BDL
MW-2	MW-2	2/24/06	0.22	BDL
MW-3	MW-3	2/24/06	0.11	0.0026
MW-4	MW-4	2/24/06	0.088	BDL
MW-5	MW-5	2/24/06	0.014	BDL
MW-6	MW-6	2/24/06	0.1	BDL
			2	0.05

All results are presented in micrograms per liter (ug/l)
BDL = Below detection limit

Subject: RE: North Mecklenburg LF (NML)
From: "Rudy Curtis" <rcurtis@BPBarber.com>
Date: Tue, 13 Jun 2006 17:11:22 -0400
To: "Ed Mussler" <Ed.Mussler@ncmail.net>

Hi Ed,

We have looked at the disposal rate at North Mecklenburg and the volume consumed, and then attempted to extrapolate that rate over the next several weeks. The LF began taking waste on March 16, 2006 with a capacity of 200,000 CY. As of yesterday morning the facility had consumed approximately 58,000 CY which is almost 30% of the total permitted volume. The working area on top of the lift has been noticeably reduced and will be substantially reduced at each lift due to maintaining 3:1 side slopes. At elevation 740 msl, for example, the surface of the lift will be slightly over one acre which is much too small of an area to work safely.

Therefore considering the significance of this site in servicing northern Mecklenburg County, the previously noted operational stormwater management concerns, the rate of fill and the safety concerns as the operator goes to a higher lift, we feel that it would be very prudent for the operator to be allowed to move into the other 2 phases as early as possible. As for a reasonable time frame, I would suggest that they need to be ready to take waste in Phase 2 or Phase 3 about August 1 definitely not later than August 15. Assuming August 1 is the date, we would need to have the permit to construct at least 2 weeks prior which is mid-July. That allows sufficient time to construct the cells and certify base grade by our surveyors and engineers.

Ed, I hope this is understandable and assists you with your planning. We have tried to use the best/latest data available and give you a practical time frame. We really would appreciate any help you can give us. With a bit of luck we can vanish from your desk for a couple of years at least with this site. With a bit more luck maybe you can find a good replacement for John thus taking some of the pressure off of you. Do you have any candidates in mind for his slot? Good luck!

If I may answer any questions please give me a call.

Thanks,
Rudy

-----Original Message-----

From: Ed Mussler [mailto:Ed.Mussler@ncmail.net]
Sent: Tuesday, June 06, 2006 2:16 PM
To: Rudy Curtis
Subject: Re: North Mecklenburg LF (NML)

I have no idea how this will work out at this point. I suggest that you all stay in real close contact with me. What is your reasonable expectation of phase life? I'll see where I can get this in the cue.
ed

Rudy Curtis wrote:

Hi Ed,

I hope all is going really well with you. I assume the

legislative chase is still hot and heavy for you with the moratorium issue out there. I guess the moratorium could give you a slight workload drop, but would likely bring other headaches.

John Murray informed me yesterday that he had essentially completed all his work with DENR and would be leaving on June 16th. He has not reviewed any of the engineering report for NML Phases II & III. That being the case and North Mecklenburg C&D LF having only one 5 acre phase approved to operate in, I was wondering what the future holds for reviewing the engineering work for those two disposal areas. Brian Wootton has issued his approval for the groundwater several weeks back so the engineering is the only part remaining.

If memory serves me correctly, I believe there was agreement between NML and DENR to give NML some urgently needed capacity (Phase I - 1 acre first then 4 acres later) and to provide DENR a bit more time to look at the remaining technical matters on the balance of the site while understanding that the 5 acre cell at best could only operate in a prudent manner for a very short time. As one goes higher on such a small cell, the safety issues start to compound and the operator must possess a heightened awareness regarding safety. The NML folks are nearing that point. Considering all of the above concerns, I was hoping to get some sense of what your plans are to complete the review of the NML engineering material and issue the permit to operate in Phases II & III.

If you need anything from us as the design engineers to assist you and your staff with this review please let me know. We were hoping John would finish before he left, but that not being the case anything you can do to facilitate the timely completion of the review would be greatly appreciated. Please give me your thoughts so we may plan accordingly.

Thanks and I hope to hear from you soon!

Rudy Curtis
Senior Solid Waste Coordinator
B.P. Barber & Associates, Inc.
101 Research Drive (29203) [Shipping]
P.O. Box 1116 [Mailing]
Columbia, SC 29202-1116
Telephone: (803) 254-4400
Mobile: (803) 429-7563
Fax: (803) 935-0799

Email: RCURTIS@BPBARBER.COM

Subject: North Meck Temporary Approval to Construct

From: Ed Mussler <Ed.Mussler@ncmail.net>

Date: Fri, 03 Mar 2006 17:47:14 -0500

To: Mike Griffin <mike@griffinbrothers.com>

CC: "John Murray, P.E." <john.murray@ncmail.net>, Fred Sebesta <fsebesta@BPBarber.com>, Rudy Curtis <rcurtis@BPBarber.com>, Brent Rockett <Brent.Rockett@ncmail.net>, Teresa Bradford <Teresa.Bradford@ncmail.net>, PAUL CRISSMAN <PAUL.CRISSMAN@ncmail.net>

Mike,

This email shall serve as approval for North Mecklenburg C&D Landfill, Permit 60-13, to begin construction on its next phase of the landfill. The Section has been backlogged processing permits, and North Meck needed to collect some property information and franchise information, to complete the permit process. The Section feels that we have what we need, although we reserve the right to ask for additional information if we find it necessary. Because of this, as well as the Sections schedule next week, we have been unable to complete the permit.

You may begin your construction in accordance with your submitted and approved plan. We anticipate being able to issue the permit to construct next week, and the permit to operate in a timely manner.

If anyone has any questions you may contact me via email or at 919.508.8495

Sincerely

Ed Mussler

Permitting Branch Supervisor

--

Ed Mussler, P.E., Permitting Branch Supervisor
Solid Waste Section
Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646
401 Oberlin Road, Suite 150, 27605
tel: 919.508.8495, fax 919.733.4810
ed.mussler@ncmail.net
<http://wastenotnc.org>



Permit No.: 60-13
 Part 2-Permit to Operate
 Date of Original Issue: June 24, 1993
 Date of Amendment: April 20, 2006
 (Phase 1A & 1B)

Page 1 of 10

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor
 William G. Ross Jr., Secretary

STATE OF NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES DIVISION OF WASTE MANAGEMENT

SOLID WASTE PERMIT

NORTH MECKLENBURG C&D LANDFILL INC.
 is hereby issued a

PERMIT TO OPERATE

A Construction and Demolition Landfill Unit, Expansion 2
 Phase 1A & 1B

located at 15300 Holbrooks Road, southeast of the Town of Huntersville, in Mecklenburg County, North Carolina, as described in the legal description contained in the application for this permit in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated there under and subject to the conditions set forth in this permit.

Edward F. Mussler III
 CN = Edward F. Mussler III, C
 = US, O = Division of Waste
 Management, OU = Solid
 Waste Section
 I have reviewed this
 document and I am approving
 this document
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Edward F. Mussler, III, P.E.,
 Permitting Branch Supervisor
 Solid Waste Section
 Division of Waste Management

ATTACHMENT 3
 List of Approved Documents
 NORTH MECKLENBURG C&D LANDFILL INC.

Part I: Permitting History

Permit Type	Date Issued
Original Issue (PTO)(Ph.1)	June 24, 1993
Amendment 1 Phase 2	March 7, 1995
Amendment 2 (PTC)	October 19, 2001
Amendment 3(PTO) 4.4 acres	October 26, 2001
Amendment 4(PTC) Exp. 2, Phase 1A, 2.20 ac.	March 10, 2006
Amendment 5 (PTO) Exp. 2, Phase 1A, 2.20 ac.	March 10, 2006
Amendment 6 (PTO) Exp. 2, Phase 1A & 1B, 2.2 ac. + 2.52 ac.= 4.57 acres	April 24, 2006

Part II: List of Documents for the Approved Plan

1. Certification Letter Sebesta, Fred E. to Ed Mussler, Head, Solid Waste Permitting Branch. *RE: North Mecklenburg Landfill, Inc. North Mecklenburg C&D Landfill. Expansion II. Project No. 05185NM.* B.P. Barber & Associates, Inc. Columbia, SC. March 8, 2006. Received March 9, 2006.
2. Drawing *Phase 1A Base Grading Record Drawing*. Prepared by: B.P. Barber & Associates, Columbia, SC. Prepared for: North Mecklenburg C&D Landfill, Inc. File Number 33,406-B79. March 8, 2006. The surveyor of record is H.B. Dingle, Jr., P.S., North Carolina Registration No. L-3900. Sheet 1 of 1.
3. Drawing *Seasonal High Groundwater and Base Grade Comparison*. Prepared by: B.P. Barber & Associates, Columbia, SC. Prepared for: North Mecklenburg C&D Landfill, Inc. File Number 33,407-B79. March 6, 2006. Drawing 1 of 1.
4. Certification Letter Sebesta, Fred E. to Ed Mussler, Head, Solid Waste Permitting Branch. *RE: North Mecklenburg Landfill, Inc. North Mecklenburg C&D Landfill. Expansion II.* Base Grade Certification Number 2. *Project No. 05185NM.* B.P. Barber & Associates, Inc. Columbia, SC. April 3, 2006.
5. Drawing *Phase I Complete Base Grading Record Drawing*. Prepared by: B.P. Barber & Associates, Columbia, SC. Prepared for: North Mecklenburg C&D Landfill, Inc. File Number 33,455-B79. March 2006.

6. Drawing *Seasonal High Groundwater and Base Grade Comparison* (Complete Phase 1).
Prepared by: B.P. Barber & Associates, Columbia, SC. Prepared for: North
Mecklenburg C&D Landfill, Inc. File Number 33,456-B79. March 2006.

- End of Section

ATTACHMENT 4 CONDITIONS OF PERMIT

Site Specific Conditions

1. This permit covers a operational period for the NORTH MECKLENBURG C&D LANDFILL INC., Construction and Demolition Debris Landfill of five (5) years from the issuance date of this Permit to Operate, and is therefore subject to review on or before March 10, 2011, as required under 15A NCAC 13B .0201(e).
 - a. Modifications to the facility and engineering plans may be required in accordance with the rules in effect at the time of the review.
 - b. The owner or operator shall submit a permit amendment or modification by November 9, 2006, prepared in accordance with the rules applicable to Construction and Demolition Debris landfills effective at the time of submittal.
2. The service area for this facility consists of the following counties: Mecklenburg, Union, Cabarrus, Catawba, Lincoln, Iredell and Gaston Counties in North Carolina and Lancaster and York Counties in South Carolina.
3. The total design gross capacity for the Complete Phase 1 facility is approximately 200,700 cubic yards and consistent with the final contours as shown on Sheet No. C8 of 17 in the construction application. Phase 1A 's volume is 63,200 cubic yards and Phase 1B's volume is 137,500 cubic yards. Gross capacity is defined as bottom of waste through the top of final cover.
 - a. The Complete Phase 1 is 4.72 acres and has a capacity of 200,700 cubic yards of airspace and will last one year at 525 tons per day. The maximum of receipt of waste is approximately 300,000 tons per year. Attachment 1, Part 2, Documents 15, 16, and 18.)
4. Operation of C&D landfill Phase 2 shall require written approval of the Section and shall be in accordance with the terms and conditions of the Permit to Construct issued March 10, 2006.
5. The total facility boundary of " Expansion 2" is 24.92 acres and contains 954,200 cubic yards of airspace with a total waste footprint of 14.64 acres. The projected life is 5 years at an average daily tonnage of 525 tons per day (in accordance with the approved plan, Attachment I, Part II Document 16 and 18). The facility will be developed in three phases, 1 though 3.

General Conditions

6. The documents submitted in support of the application for permitting the facility are identified in Attachment 1 and 3, "List of Documents for Approved Plan" and constitute the approved plan for the construction, operation and closure of the facility. Where discrepancies exist, the most recent submittal and the Conditions of Permit shall govern. Some components of the approved plan are reiterated in the Conditions of Permit.

7. This permit is not transferable.
8. All sedimentation/erosion control activities shall be conducted in accordance with the Sedimentation Control Act codified at 15 NCAC 4. Native vegetation shall be established on the completed C&D landfill unit in accordance with 15A NCAC 13B .0505 (3)(b)(c).

Operations

9. Operation of the C&D landfill shall be in accordance with Section .0505 of the Solid Waste Management Rules, the requirements contained in this permit, and shall conform to the operating procedures described in the approved plan. Should the approved plan and the rules are in conflict, the Solid Waste Management Rules shall take precedence unless specifically addressed by permit condition.
10. The facility operator shall have completed an approved operator training course in compliance with G.S. 130A-309.25.
 - a. A responsible individual certified in landfill operations shall be on-site at all times during all operating hours of the facility at all times while open for public use to ensure compliance with operational requirements.
 - b. All pertinent landfill-operating personnel shall receive training and supervision necessary to properly operate the C&D landfill unit in accordance with G.S. 130A-309.25 and addressed by memorandum dated November 29, 2000.
11. The C&D landfill units are permitted to receive the following waste types:
 - a. Unless otherwise specifically approved by permit condition, only "construction" or "demolition" types of solid wastes as defined in NCGS 130A-290 (a)(4) are permitted for acceptance and disposal in the C&D landfill units.
 - b. "Construction or demolition debris" as defined in G.S. 130A-290 (4) means solid waste resulting solely from construction, remodeling, repair or demolition operations on pavement, buildings, or other structures, but does not include inert debris, land-clearing debris or yard debris.
 - c. "Inert debris" as defined in G.S. 130A-290 (14) means solid waste that consists solely of material that is virtually inert, such as brick, concrete, rock and clean soil.
 - d. "Land-clearing debris" as defined in G.S. 130A-290 (15) means solid waste that is generated solely from land-clearing activities such as stumps and tree trunks.
 - e. "Asphalt" in accordance with G.S. 130-294(m).

12. The C&D landfill units shall not receive the following waste types:
 - a. "Yard trash" as defined in G.S. 130A-290 (45) shall not be disposed in the landfill area. However, yard trash, along with land-clearing debris, may be accepted for processing in the Yard Waste Composting Area or disposal in a LCID landfill.
 - b. Municipal solid wastes, hazardous wastes, or liquid wastes are not permitted for acceptance or disposal in the C&D landfill units.
13. The permittee shall actively employ a screening program for the C&D unit that detects and prevents the disposal of MSW, hazardous, liquid or non-permitted wastes. At a minimum, the program shall include:
 - a. Random inspections of incoming loads or other comparable procedures.
 - b. Records of any inspections.
 - c. Training of personnel to recognize hazardous and liquid wastes.
 - d. Development of a contingency plan to properly manage any identified hazardous, liquid or MSW wastes.
 - e. The plan must address identification, removal, storage, and final disposition of waste.

Cover Material Requirements

14. Solid waste shall be covered with a minimum of 6 inches of soil or an approved material of equivalent performance and thickness at least once per week or when the active area reaches 1/2 acre in size, or more often when necessary to prevent the site from becoming a visual nuisance or to mitigate conditions associated with fire, windblown materials, vectors, or excessive water infiltration.
15. Areas that will not receive additional waste for 12 months or more, but where final termination of operations has not occurred, shall be covered with a minimum of one foot of soil cover [15A NCAC 13B .0505(3)(b)] and stabilized with vegetative cover.
16. After final termination of disposal operations at the C&D unit or major part thereof, or upon revocation of a permit, the fill areas shall be covered with at least two feet of suitable compacted earth [15A NCAC 13B .0505(3)(c)] or other protective barrier as specified by the rules or the permit in effect at the time of closure.

Access and Safety

17. The C&D unit shall be adequately secured by means of gates, chains, berms, fences, or other security measures approved by the DWM to prevent unauthorized entry.

18. The access road to the C&D unit shall be of all-weather construction and maintained in good condition.
19. Signs shall be posted at the entrance of landfill in accordance with the Access and Safety Requirements under Operation Condition .0505(8).
 - a. Signs shall provide information on dumping procedures, the hours of operation, the permit number, and other pertinent information shall be posted at the entrance to the landfill.
 - b. Signs shall be posted stating that NO MSW, hazardous waste or liquid waste can be received in the C&D unit.
 - c. Traffic signs or markers shall be provided as necessary to promote orderly traffic patterns to and from the discharge area and to maintain safe operating conditions.
20. Dust control measures shall be implemented when necessary.
21. Barrels and drums shall not be disposed unless they are empty and perforated sufficiently to ensure that no liquid or hazardous waste is contained therein.
22. Asbestos waste shall be managed in accordance with 40 CFR 61.
23. Open burning of solid waste is prohibited. Fires shall be reported to the Solid Waste Section by phone within 24 hours of an incident and written notification shall be submitted within 14 working days addressing the events at the site and future actions to be taken in the future to avoid and or mitigate potential fire hazards.
24. The concentration of explosive gases generated by the C&D unit shall not exceed:
 - a. 25% of the lower explosive limit for gases in site structures excluding gas control or recovery system components if necessary; and
 - b. 100% of the lower explosive limit for gases at the property boundary. Installation of permanent gas monitoring wells may be required in the future to demonstrate compliance.
25. The removal of solid waste from the facility is prohibited unless the owner/operator approves and the removal is not performed on the working face. If C&D recycling is to take place in the future, an amendment to the operations plan shall be submitted to the Solid Waste Section for review and approval.

Erosion and Sedimentation Control

26. Adequate sedimentation and erosion control measures shall be practiced to prevent silt from leaving the site of the C&D unit.

27. Adequate sedimentation and erosion control measures shall be practiced to prevent excessive on-site erosion.
28. Provisions for a vegetative ground cover sufficient to restrain erosion must be accomplished within 30 working days or 120 calendar days upon completion of any phase of C&D landfill unit development or as addressed in the approved Sedimentation and Erosion Control permit.

Drainage Control and Water Protection Requirements

29. Surface water shall be diverted from the operational area.
30. Surface water shall not be impounded over or in waste.
31. A separation distance of at least four feet shall be maintained between the C&D waste and the groundwater table as addressed in the site suitability application, hydrologic assessment section.
32. Solid waste (C&D) shall not be disposed in standing water.
33. Leachate shall be contained on site or properly treated prior to discharge. An NPDES permit may be required prior to discharge of leachate to surface waters and or for land disturbing activities greater than one acre.
34. Ground water quality for the C&D landfill unit is subject to the classification and remedial action provisions referenced in Rule .0503 (2)(d) of 15A NCAC 13B.
35. A closure and post-closure plan must be submitted for approval at least 90 days prior to closure or partial closure of any landfill unit. The plan must include all steps and measures necessary to close and maintain the C&D unit in accordance with all rules in effect at that time. At a minimum, the plan shall address the following:
 - a. Design of a final cover system as required by the solid waste management rules in effect at the time of closure;
 - b. Construction and maintenance/operation of the final cover system and erosion control structures;
 - c. Surface water, ground water, and explosive gas monitoring.

Monitoring and Reporting Requirements

36. The following are requirements relating to groundwater monitoring for the C&D landfill facility:
 - a. Groundwater and surface water monitoring locations shall be established as identified in the approved plans, Appendix 1, Part 2, Documents 15 and 16.

- b. The owner or operator shall sample the monitoring wells semi-annually or as otherwise directed in writing by the SWS Hydrogeologist.
 - c. A readily accessible, unobstructed, path shall be maintained so that monitoring wells may be accessed using four-wheel drive vehicles.
 - d. A licensed geologist shall be present to supervise the installation of groundwater monitoring wells. The exact locations, screened intervals, and nesting of the wells shall be established after consultation with the SWS Hydrogeologist at the time of well installation.
 - e. All well construction records and soil boring logs for new wells shall be submitted to the Solid Waste Section Hydrogeologist for review within 30 days of completion.
 - f. Each monitoring well shall be surveyed and hydraulic conductivity and effective porosity values shall be established for each screened interval in order to develop groundwater flow characteristics.
 - g. The owner or operator shall maintain a record of all monitoring events and analytical data. Reports of the analytical data for each water quality monitoring sampling event shall be submitted to DWM in a timely manner.
37. The owner or operator shall maintain a record of the amount of solid waste received at the C&D unit, compiled on a monthly basis. Scales shall be used to weigh the amount of waste received.
38. On or before August 1 annually, the permittee shall report the tons of waste received and disposed in the C&D landfill unit to the Solid Waste Section and to all counties from which waste was accepted on forms prescribed by the Section. The following is information regarding the annual reports:
- a. The reporting period shall be for the previous year beginning July 1 and ending June 30.
 - b. The annual report shall list the amount of waste received and landfilled in tons and be compiled:
 - i) On a monthly basis.
 - ii) By county, city or transfer station of origin.
 - iii) By specific waste type.
 - iv) By disposal location within the facility.
 - v) By diversion to alternative management facilities.
 - c. A copy of the completed report shall be forwarded to each county manager for each county from which waste was received at the facility.
 - d. A copy of the report and documentation that a copy of the report has been forwarded to all counties from which waste was accepted must be sent to the regional Waste Management Specialist by the date due on the prescribed annual report form.

39. All records required to be maintained by the owner or operator by regulation or permit shall be maintained on-site and made available to the SWS upon request.

- End of Permit Conditions -



Facility Permit No: 60-13
North Mecklenburg C&D Landfill
Part 1-Permit to Construct
Amendment No.3: Phase 1 Expansion II
March 10, 2006

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
Dexter R. Matthews, Director Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

**SOLID WASTE LANDFILL
FACILITY PERMIT**

North Mecklenburg C&D Landfill Inc.,

is hereby issued a
PERMIT TO CONSTRUCT
A SOLID WASTE LANDFILL FACILITY
Expansion II Phase 1

Located at 15300 Holbrooks Road, southeast of the Town of Huntersville, in Mecklenburg County, North Carolina in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The facility is located and described by the legal description of the site contained on page two of this permit.

Edward F. Mussler III
CN = Edward F. Mussler III, C = US, O
= Division of Waste Management, OU
= Solid Waste Section
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am approving this document
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Edward F. Mussler, III, P.E.,
Permitting Branch Supervisor
Permitting Branch

LEGAL DESCRIPTION OF REAL PROPERTY

The permitted municipal solid waste landfill is located and described by the legal description of the site or the property map contained within the approved application and includes the following properties recorded in the Mecklenburg County Register of Deeds Office.

1. Property in the Expansion, Mecklenburg County, NC, Register of Deeds.

Mecklenburg County, N.C. Register of Deeds					
Map Legend	Book	Page	Grantor	Grantee	Acres
4	18,455	134	Patsy H Holbrooks	C&D Management Company, LLC	4.510
5	18,690	961	John F Locklear	C&D Management Company, LLC	21.750
6	19,649	894	Catawba Lands Conservancy	C&D Management Company, LLC	3.083
Total Acreage					29.343

Pursuant to N.C. General Statutes 130A-301, whenever the municipal solid waste facility or any portion of the land within this permit is sold, leased, conveyed or transferred, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument a statement that the property has been used as a sanitary landfill and a reference by book and page to the recordation of the permit.

ATTACHMENT 1

PART 1: GENERAL FACILITY CONDITIONS

Issuance	Date
Original Issue (PTO)(Ph.1)	June 24, 1993
Amendment 1 Phase 2	March 7, 1995
Amendment 2 (PTC)	October 19, 2001
Amendment 3 (PTO) 4.4 acres	October 26, 2001
Amendment 4 (PTC) Exp.II 4.72ac.	March 10, 2006

Part 2: List of Documents for the Approved Plan

Documents 1-14 are contained in previous permits, identified above.

15. *North Mecklenburg C&D Reclamation "Center. Expansion II Permit. Site Plan Application Report. North Mecklenburg Landfill, Inc. Griffin Brothers Enterprises, Inc. C&D Management Company, LLC. Huntersville, North Carolina. Prepared for: North Mecklenburg Landfill, Inc. Huntersville, NC, Prepared by: Enviro-Pro, P.C. Fort Mill, SC. September 15, 2005. Revised through March 8, 2006. Project No. EP-1401.*
16. *C&D Landfill Permit Application. Engineering Report for the North Mecklenburg C&D Landfill. Expansion II. Prepared for North Mecklenburg Landfill, Inc. Cornelius, NC. Prepared by; B.P. Barber & Associates, Inc. Columbia, SC. October 27, 2005. Revised through February 15, 2006. Project No. 05185. Includes construction plan drawings (C1 through C17).*
17. *"Boundary Survey and Legal description of Expansion II". Prepared by: B. P. Barber Associates Inc. February 15, 2006.*
18. *Amendment to Construction and Demolition Debris Landfill Ordinance and Franchise Agreement. Issued by: Mecklenburg County. Issued to: North Mecklenburg Landfill, Inc. Minute Book 42-A. February 14, 2006.*

- End of Section -

ATTACHMENT 2 CONDITIONS OF PERMIT

General Conditions

1. This permit shall not be effective unless the certified copy is filed in the Register of Deeds office and indexed in the grantor index under the name of the owner of the land (C&D Management Company, LLC) in the county or counties in which the land is located. The certified copy of the permit, affixed with the Register's seal and the date, book, and page number of recording shall be returned to the Division of Waste Management (the Division).
2. When this property is sold, leased, transferred or conveyed, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument, a statement that the property has been used as a sanitary landfill.
3. The gross facility capacity, including the expansion is 2 million cubic yards. The size of the Expansion II area is 24.92 acres, and adds a gross capacity of 954,200 cubic yards. Gross capacity is defined as top of subgrade through the top of the final contours as identified in the approved plan, Part 2, Document 16. The landfill's disposal rate is 300,000 tons per year. The franchise begins on August 1, 2006 and ends on July 1, 2011 (Attachment 1, Part 2, Doc. 18).
4. This facility may receive solid waste that is generated within a service area consisting of Mecklenburg, Union, Cabarrus, Catawba, Lincoln, Iredell and Gaston Counties in North Carolina and Lancaster and York Counties in South Carolina.
5. The approved plan for this facility is described in Attachment 1, "List of Documents for Approved Plan". Where discrepancies exist, the most recent submittal and these Conditions shall govern. Some components of the approved plan are reiterated in these Conditions.
6. This permit is not transferable.
7. All pertinent records and reports including a copy of this permit and the approved plans shall be maintained at the facility and made available to the Division upon request.
8. The owner/operator is responsible for obtaining any and all permits and approvals necessary for the development of this project including approval from

appropriate agencies for a General or Individual NPDES Stormwater Discharge Permit.

9. Prior to operation of the facility and at all times of operation, the permittee shall be in compliance with all applicable lawfully adopted local ordinances.
10. Prior to construction of the Phase 1 Expansion 2A cell, all piezometers, ground-water monitoring wells and borings located in the proposed cell with the exception of non-cased borings are to be properly abandoned by over-drilling and sealing each location with cement grout according to 15A NCAC 2C .0113 (b)(1), "Procedures for Permanent Abandonment of Wells." In portions of the site where soil areas are to be undercut, do not grout in the wells up to pre-grade land surface, but up to proposed base grade surface cutting off excess vertical grout and possibly damaging the grouted wells.

Construction

11. This permit is for the development of the North Mecklenburg Construction and Demolition Landfill, Expansion II, Phase 1, within the approved facility description, in accordance with the approved plan (Attachment 1, Part 2, Docs 15 and 16). Phase 1 is approximately 4.72 acres, 200,700 cubic yards of gross airspace. Construction of additional phases will require written approval of the Division.
12. All sedimentation and erosion control measures will be conducted in accordance with the Sedimentation Control Act codified at 15 NCAC 4. Native vegetation shall be established on the completed landfill.

Monitoring and Reporting

13. Monitoring well design and construction shall conform to the specifications outlined in "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities."
14. The monitoring well locations for Phase 1 are as illustrated in the approved plans and shall be established to monitor that area.
15. A geologist shall be in the field to supervise well installation. The exact locations, screened intervals, and nesting of the wells shall be established after consultation with the Division Hydrogeologist at the time of well installation.
16. Prior to the acceptance of any waste at the facility, a baseline-sampling event shall be completed. The results of this sampling event shall be submitted to the

Division Hydrogeologist within 30 days after the sampling event unless otherwise approved in writing.

17. Well completion records and boring logs shall be submitted to the Division at the same time as the results of the initial sampling event or within 30 days upon completion of any new wells.
18. Each monitoring well shall be surveyed and hydraulic conductivity values and effective porosity values shall be established for the screened intervals for each monitoring well.
19. Data shall be used to determine ground water flow directions and rates for the facility.
20. Accessible and unobstructed paths shall be cleared and maintained so that four-wheel drive vehicles may access the monitoring wells at all times.
21. The permittee shall establish two locations for surface water sampling. Surface water shall be sampled and analyzed semi-annually according to the protocol and parameters required by the Division at the time of sampling.
22. The permittee shall maintain a record of all monitoring events and analytical data. Reports of the analytical data for each water quality monitoring sampling event shall be submitted to the Division in a timely manner.

- End of Section -



Permit No.: 60-13
Part 2-Permit to Operate
Date of Original Issue: June 24, 1993
Date of Amendment: March 10, 2006
(Phase 1A)

Page 1 of 9

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
Dexter R. Matthews, Director Division of Waste Management Michael F. Easley, Governor
William G. Ross Jr., Secretary

**STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT**

SOLID WASTE PERMIT

NORTH MECKLENBURG C&D LANDFILL INC.
is hereby issued a

PERMIT TO OPERATE

A Construction and Demolition Landfill unit, Phase 1A

located at 15300 Holbrooks Road, southeast of the Town of Huntersville, in Mecklenburg County, North Carolina, as described in the legal description contained in the application for this permit in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated there under and subject to the conditions set forth in this permit.

Edward F. Mussler III
CN = Edward F. Mussler III, C =
US, O = Division of Waste
Management, OU = Solid
Waste Section

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document

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**Edward F. Mussler, III, P.E.,
Permitting Branch Supervisor
Solid Waste Section
Division of Waste Management**

1646 Mail Service Center, Raleigh, North Carolina 27699-1646
Phone 919-508-8400 \ FAX 919-733-4810 \ Internet <http://wastenotnc.org>

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ATTACHMENT 3
List of Approved Documents
NORTH MECKLENBURG C&D LANDFILL INC.

Part I: Permitting History

Permit Type	Date Issued
Original Issue (PTO)(Ph.1)	June 24, 1993
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Amendment 2 (PTC)	October 19, 2001
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Amendment 4(PTC) Exp. 2, Phase 1A, 4.72 ac.	March 10, 2006
Amendment 5 (PTO) Exp. 2, Phase 1A, 4.72 ac.	March 10, 2006

Part II: List of Documents for the Approved Plan

1. Certification Letter Sebesta, Fred E. to Ed Mussler, Head, Solid Waste Permitting Branch. *RE: North Mecklenburg Landfill, Inc. North Mecklenburg C&D Landfill. Expansion II. Project No. 05185NM.* B.P. Barber & Associates, Inc. Columbia, SC. March 8, 2006. Received March 9, 2006.
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3. Drawing *Seasonal High Groundwater and Base Grade Comparison*. Prepared by: B.P. Barber & Associates, Columbia, SC. Prepared for: North Mecklenburg C&D Landfill, Inc. File Number 33,407-B79. March 6, 2006. Drawing 1 of 1.

- End of Section -

ATTACHMENT 4 CONDITIONS OF PERMIT

Site Specific Conditions

1. This permit covers a operational period for the NORTH MECKLENBURG C&D LANDFILL INC., Construction and Demolition Debris Landfill of five (5) years from the issuance date of this Permit to Operate, and is therefore subject to review on or before March 10, 2011, as required under 15A NCAC 13B .0201(e).
 - a. Modifications to the facility and engineering plans may be required in accordance with the rules in effect at the time of the review.
 - b. The owner or operator shall submit a permit amendment or modification by November 10, 2006, prepared in accordance with the rules applicable to Construction and Demolition Debris landfills effective at the time of submittal.
2. The service area for this facility consists of the following counties: Mecklenburg, Union, Cabarrus, Catawba, Lincoln, Iredell and Gaston Counties in North Carolina and Lancaster and York Counties in South Carolina.
3. The total design gross capacity for the Phase 1 facility is approximately 200,700 cubic yards and consistent with the final contours as shown on Sheet No. C8 of 17 in the construction application. Gross capacity is defined as bottom of waste through the top of final cover.
 - a. The total facility capacity, existing phases plus Phase I of the expansion, is 2 million gross cubic yards. Phase 1 is 4.72 acres and has a capacity of 200,700 cubic yards of airspace and will last one year at 525 tons per day. The maximum rate of receipt of waste is approximately 300,000 tons per year. (Attachment 1, Part 2, Documents 15, 16 and 18.)
4. Operation of C&D landfill Phase 1B shall require written approval of the Section and shall be in accordance with the terms and conditions of the Permit to Construct issued March 10, 2006.
5. The total facility boundary of " Expansion 2" is 24.92 acres and contains 954,200 cubic yards of airspace with a total waste footprint of 14.64 acres. The projected life is five years at an average daily tonnage rate of 525 tons per day (in accordance with the approved plan, Attachment I, Part II, Document 16 and 18). The facility will be developed in three phases, 1 through 3.

General Conditions

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discrepancies exist, the most recent submittal and the Conditions of Permit shall govern. Some components of the approved plan are reiterated in the Conditions of Permit.

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8. All sedimentation/erosion control activities shall be conducted in accordance with the Sedimentation Control Act codified at 15 NCAC 4. Native vegetation shall be established on the completed C&D landfill unit in accordance with 15A NCAC 13B .0505 (3)(b)(c).

Operations

9. Operation of the C&D landfill shall be in accordance with Section .0505 of the Solid Waste Management Rules, the requirements contained in this permit, and shall conform to the operating procedures described in the approved plan. Should the approved plan and the rules are in conflict, the Solid Waste Management Rules shall take precedence unless specifically addressed by permit condition.
10. The facility operator shall have completed an approved operator training course in compliance with G.S. 130A-309.25.
 - a. A responsible individual certified in landfill operations shall be on-site at all times during all operating hours of the facility at all times while open for public use to ensure compliance with operational requirements.
 - b. All pertinent landfill-operating personnel shall receive training and supervision necessary to properly operate the C&D landfill unit in accordance with G.S. 130A-309.25 and addressed by memorandum dated November 29, 2000.
11. The C&D landfill units are permitted to receive the following waste types:
 - a. Unless otherwise specifically approved by permit condition, only "construction" or "demolition" types of solid wastes as defined in NCGS 130A-290 (a)(4) are permitted for acceptance and disposal in the C&D landfill units.
 - b. "Construction or demolition debris" as defined in G.S. 130A-290 (4) means solid waste resulting solely from construction, remodeling, repair or demolition operations on pavement, buildings, or other structures, but does not include inert debris, land-clearing debris or yard debris.
 - c. "Inert debris" as defined in G.S. 130A-290 (14) means solid waste that consists solely of material that is virtually inert, such as brick, concrete, rock and clean soil.
 - d. "Land-clearing debris" as defined in G.S. 130A-290 (15) means solid waste that is generated solely from land-clearing activities such as stumps and tree trunks.

- e. "Asphalt" in accordance with G.S. 130-294(m).
12. The C&D landfill units shall not receive the following waste types:
- a. "Yard trash" as defined in G.S. 130A-290 (45) shall not be disposed in the landfill area. However, yard trash, along with land-clearing debris, may be accepted for processing in the Yard Waste Composting Area or disposal in a LCID landfill.
 - b. Municipal solid wastes, hazardous wastes, or liquid wastes are not permitted for acceptance or disposal in the C&D landfill units.
13. The permittee shall actively employ a screening program for the C&D unit that detects and prevents the disposal of MSW, hazardous, liquid or non-permitted wastes. At a minimum, the program shall include:
- a. Random inspections of incoming loads or other comparable procedures.
 - b. Records of any inspections.
 - c. Training of personnel to recognize hazardous and liquid wastes.
 - d. Development of a contingency plan to properly manage any identified hazardous, liquid or MSW wastes.
 - e. The plan must address identification, removal, storage, and final disposition of waste.

Cover Material Requirements

- 14. Solid waste shall be covered with a minimum of 6 inches of soil or an approved material of equivalent performance and thickness at least once per week or when the active area reaches 1 acre in size, or more often when necessary to prevent the site from becoming a visual nuisance or to mitigate conditions associated with fire, windblown materials, vectors, or excessive water infiltration.
- 15. Areas that will not receive additional waste for 12 months or more, but where final termination of operations has not occurred, shall be covered with a minimum of one foot of soil cover [15A NCAC 13B .0505(3)(b)] and stabilized with vegetative cover.
- 16. After final termination of disposal operations at the C&D unit or major part thereof, or upon revocation of a permit, the fill areas shall be covered with at least two feet of suitable compacted earth [15A NCAC 13B .0505(3)(c)] or other protective barrier as specified by the rules or the permit in effect at the time of closure.

Access and Safety

17. The C&D unit shall be adequately secured by means of gates, chains, berms, fences, or other security measures approved by the DWM to prevent unauthorized entry.
18. The access road to the C&D unit shall be of all-weather construction and maintained in good condition.
19. Signs shall be posted at the entrance of landfill in accordance with the Access and Safety Requirements under Operation Condition .0505(8).
 - a. Signs shall provide information on dumping procedures, the hours of operation, the permit number, and other pertinent information shall be posted at the entrance to the landfill.
 - b. Signs shall be posted stating that NO MSW, hazardous waste or liquid waste can be received in the C&D unit.
 - c. Traffic signs or markers shall be provided as necessary to promote orderly traffic patterns to and from the discharge area and to maintain safe operating conditions.
20. Dust control measures shall be implemented when necessary.
21. Barrels and drums shall not be disposed unless they are empty and perforated sufficiently to ensure that no liquid or hazardous waste is contained therein.
22. Asbestos waste shall be managed in accordance with 40 CFR 61.
23. Open burning of solid waste is prohibited. Fires shall be reported to the Solid Waste Section by phone within 24 hours of an incident and written notification shall be submitted within 14 working days addressing the events at the site and future actions to be taken in the future to avoid and or mitigate potential fire hazards.
24. The concentration of explosive gases generated by the C&D unit shall not exceed:
 - a. 25% of the lower explosive limit for gases in site structures excluding gas control or recovery system components if necessary; and
 - b. 100% of the lower explosive limit for gases at the property boundary. Installation of permanent gas monitoring wells may be required in the future to demonstrate compliance.
25. The removal of solid waste from the facility is prohibited unless the owner/operator approves and the removal is not performed on the working face. If C&D recycling is to take

place in the future, an amendment to the operations plan shall be submitted to the Solid Waste Section for review and approval.

Erosion and Sedimentation Control

26. Adequate sedimentation and erosion control measures shall be practiced to prevent silt from leaving the site of the C&D unit.
27. Adequate sedimentation and erosion control measures shall be practiced to prevent excessive on-site erosion.
28. Provisions for a vegetative ground cover sufficient to restrain erosion must be accomplished within 30 working days or 120 calendar days upon completion of any phase of C&D landfill unit development or as addressed in the approved Sedimentation and Erosion Control permit.

Drainage Control and Water Protection Requirements

29. Surface water shall be diverted from the operational area.
30. Surface water shall not be impounded over or in waste.
31. A separation distance of at least four feet shall be maintained between the C&D waste and the groundwater table as addressed in the site suitability application, hydrologic assessment section.
32. Solid waste (C&D) shall not be disposed in standing water.
33. Leachate shall be contained on site or properly treated prior to discharge. An NPDES permit may be required prior to discharge of leachate to surface waters and or for land disturbing activities greater than one acre.
34. Ground water quality for the C&D landfill unit is subject to the classification and remedial action provisions referenced in Rule .0503 (2)(d) of 15A NCAC 13B.
35. A closure and post-closure plan must be submitted for approval at least 90 days prior to closure or partial closure of any landfill unit. The plan must include all steps and measures necessary to close and maintain the C&D unit in accordance with all rules in effect at that time. At a minimum, the plan shall address the following:
 - a. Design of a final cover system as required by the solid waste management rules in effect at the time of closure;
 - b. Construction and maintenance/operation of the final cover system and erosion control structures;

- c. Surface water, ground water, and explosive gas monitoring.

Monitoring and Reporting Requirements

- 36. The following are requirements relating to groundwater monitoring for the C&D landfill facility:
 - a. Groundwater and surface water monitoring locations shall be established as identified in the approved plans, Appendix 1, Part 2, Documents 15 and 16.
 - b. The owner or operator shall sample the monitoring wells semi-annually or as otherwise directed in writing by the SWS Hydrogeologist.
 - c. A readily accessible, unobstructed, path shall be maintained so that monitoring wells may be accessed using four-wheel drive vehicles.
 - d. A licensed geologist shall be present to supervise the installation of groundwater monitoring wells. The exact locations, screened intervals, and nesting of the wells shall be established after consultation with the SWS Hydrogeologist at the time of well installation.
 - e. All well construction records and soil boring logs for new wells shall be submitted to the Solid Waste Section Hydrogeologist for review within 30 days of completion.
 - f. Each monitoring well shall be surveyed and hydraulic conductivity and effective porosity values shall be established for each screened interval in order to develop groundwater flow characteristics.
 - g. The owner or operator shall maintain a record of all monitoring events and analytical data. Reports of the analytical data for each water quality monitoring sampling event shall be submitted to DWM in a timely manner.
- 37. The owner or operator shall maintain a record of the amount of solid waste received at the C&D unit, compiled on a monthly basis. Scales shall be used to weigh the amount of waste received.
- 38. On or before August 1 annually, the permittee shall report the tons of waste received and disposed in the C&D landfill unit to the Solid Waste Section and to all counties from which waste was accepted on forms prescribed by the Section. The following is information regarding the annual reports:
 - a. The reporting period shall be for the previous year beginning July 1 and ending June 30.
 - b. The annual report shall list the amount of waste received and landfilled in tons and be compiled:

- i) On a monthly basis.
 - ii) By county, city or transfer station of origin.
 - iii) By specific waste type.
 - iv) By disposal location within the facility.
 - v) By diversion to alternative management facilities.
- c. A copy of the completed report shall be forwarded to each county manager for each county from which waste was received at the facility.
- d. A copy of the report and documentation that a copy of the report has been forwarded to all counties from which waste was accepted must be sent to the regional Waste Management Specialist by the date due on the prescribed annual report form.
39. All records required to be maintained by the owner or operator by regulation or permit shall be maintained on-site and made available to the SWS upon request.

- End of Permit Conditions -

7
March 10, 2006

MEMORANDUM

To: Files

From: Brian Wootton *BW*

RE: Comments to installation of 6 groundwater monitoring wells and base grade maps - Site Study Report for North Mecklenburg C&D Landfill Expansion - Area II (23.4 acres); Design Hydrogeologic Study, Phase 1 (6.5 acres) of Area II
Water Quality Monitoring Plan - Mecklenburg County
Permit No. 60-13
ID # P0477

Fred Sebasta, P.E. on behalf of BP Barbara & Associates, Inc. sent written documentation on March 8, 2006 consisting of well logs, well construction records for 6 new groundwater monitoring wells, MW-1, MW-2, MW-3, MW-4, MW-5, and MW-6, constructed on 2/8/06, and some base grade site maps for Phase 1 (6.5 acres) to be constructed. The well locations, well construction criteria, and base grade maps for Phase 1 look acceptable.

According to the Groundwater Monitoring Plan mentioned in the Site Plan Application Report (September 15, 2005) by Enviro-Pro, P.C. for Phase 1 (Design Hydro Study) of expansion II, only 3 groundwater monitoring wells, (MW-1, MW-2, MW-3) are mentioned. The entire expansion area 23.4 acres has been approved for site suitability. Phase 1 consists of 6.5 acres.

On January 26, 2005, Thomas Boylard (Enviro-Pro, P.C.) sent a subsequent application for Hydro Design Study for proposed phases II and III of the expansion II (yet to be permitted from the date of this letter 3/10/06). This application mentioned in the water quality monitoring plan the proposed addition of 6 groundwater monitoring wells, MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, and sampling all of 6 groundwater monitoring wells.

Based on this Design Study information from the phase 1, phase 2, phase 3, the 6 groundwater monitoring wells (MW-1 through MW-6) were installed on 2/8/06.

In conclusion, the sampling of groundwater monitoring wells, MW-1, MW-2, MW-3, and sampling of surface water sampling points SW-1 and SW-2 are to be associated with the permit to construct and operate for Phase 1.

The sampling of the additional groundwater monitoring wells, MW-4, MW-5, MW-6 shall be added to the groundwater monitoring plan and schedule at the time waste activities commence at the other phases (i.e. Phases 2 and 3).

9

Subject: Re: [Fwd: N Meck C&D 6013 Permits]

From: Mike Griffin <mike@griffinbrothers.com>

Date: Fri, 10 Mar 2006 15:11:58 -0500

To: "Ed Mussler P.E." <Ed.Mussler@ncmail.net>

CC: Fred Sebesta <fsebesta@bpbarber.com>, "John Murray, P.E." <John.Murray@ncmail.net>

Ed,

I understand the PTC & PTO along with the notarized Certified Copy will be ready Monday morning. I would appreciate it if you could send me the originals via next day to the address below. I have included our account numbers for FEDEX and UPS.

UPS - Acct # 58Y6A9 (Griffin Brothers Exec Service)

FEDEX - Acct # 279254546 (Griffin Brothers Exec Service)

I will run them down to the Mecklenburg County Register of Deeds first thing Tuesday and get you and John pdf versions of the registered copy ASAP. I really appreciate the patience and hard work from you, John, and your staff. Our future permit projects will be under a much less stressful timeline.

Have a great weekend.

Best regards,

Mike

cc: Fred
John

Mike Griffin

Griffin Bros. Companies
19109 W Catawba Ave, Suite 200
Cornelius, NC 28031-5611
704.895.4506 Fax 704.896.2960

mike@griffinbrothers.com

www.griffinbrothers.com

On Mar 10, 2006, at 2:30 PM, John Murray wrote:

--

John Murray - John.Murray@ncmail.net
North Carolina Dept. of Environment & Natural Resources
610 E. Center Ave.
Mooresville, NC 28115
Ph: 704.663.1699 Fax: 704.663.6040



B. P. BARBER & ASSOCIATES, INC.

ENGINEERS - PLANNERS - SURVEYORS

101 RESEARCH DRIVE (29203-9389)

P. O. BOX 1116

COLUMBIA, SOUTH CAROLINA 29202-1116

TELEPHONE 803 254-4400 FACSIMILE 803 771-6676

March 8, 2006

Mr. Ed Mussler, Head
Solid Waste Permitting Branch
Division of Waste Management
NCDENR
401 Oberlin Road, Suite 150
Raleigh, NC 27605

RE: North Mecklenburg Landfill, Inc.
North Mecklenburg C&D Landfill
Expansion II
Project No. 05185NM

Dear Mr. Mussler:

Enclosed please find the following documentation relative to construction of the North Mecklenburg Landfill Expansion II:

1. Completed Well Construction Record Forms (Form GW-1) and Lithologic and Well Completion Logs for Monitoring Wells MW-1 through MW-6 prepared by Enviro-Pro, P.C. Note that the forms do not show the elevation of the ground surface at the wells. However, the wells have been surveyed and this information is included on the enclosed Table entitled North Mecklenburg C&D Landfill Expansion II Monitoring Well Elevation Data, dated March 8, 2006.
2. A Drawing entitled Phase 1A Base Grading Record Drawing (File Number 33,406-B79, dated March 2006) signed and sealed by a Professional Land Surveyor licensed to practice land surveying in North Carolina showing:
 - a. Ground surface contours representing the bottom of a portion of Phase I of the Expansion II landfill area and the grading of the detention basins.
 - b. Locations and inverts of stormwater outfall structures.
 - c. Locations and elevations at top of concrete, top of casing and at top of PVC for monitoring wells MW-2 through MW-6.
 - d. Limits of Certification Number 1 defining the area for which grading certification is being provided.

APPROVED
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION
DATE 3-10-2006 BY FR

Doc. 1, 2 & 3

60-13 Mecklenburg County
PTO
N. Mecklenburg Landfill

C
O
P
Y

3. The enclosed drawing, Seasonal High Groundwater and Base Grade Comparison, (File Number 33,407-B79, dated March 2006) showing existing conditions for the Expansion II landfill area compared to the estimated seasonal high groundwater elevations as presented in the approved C&D Landfill Permit Application Package.

A site visit by a B.P. Barber & Associates, Inc. representative on March 7, 2006 showed that:

1. Graded areas of the stormwater conveyance structures have been grassed.
2. Required silt fence baffles in Basin 2 have been installed.
3. Riprap has been installed as shown on the Engineering Drawings (File Number 33,182-B76, dated October 2005) submitted with the Construction Plan Permit Application Package.
4. During proof rolling, the prepared portion of the landfill disposal cell proved to be firm and unyielding.

Based on the information provided herein, the following activities:

1. Grading and construction shown within the limits of certification on the drawing, Seasonal High Groundwater and Base Grade Comparison, (File Number 33,407-B79, dated March 2006).
2. Installation of groundwater monitoring wells.
3. Grading of the stormwater conveyances and sediment basins
4. Installation of the drainage structures
5. Grassing of the stormwater conveyance and detention structures.

are certified to be in conformance with:

1. Generally accepted practices of the solid waste disposal industry.
2. The Division of Waste Management approved Engineering Drawings.
3. The March 3, 2006 e-mail message from Mr. Ed Mussler issuing temporary approval to construct.
4. Applicable portions of Code: 15A NC Admin Code 13B .1600 - Requirements For Municipal Solid Waste Landfill Facilities (MSWLFS).

Mr. Ed Mussler
March 8, 2006
Page 3 of 3

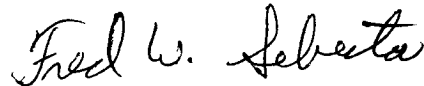
and that the landfill cell grading for the area noted on the Record Drawing (File Number 33,406-B79, dated March 2006) and on the drawing entitled Seasonal High Groundwater and Base Grade Comparison, (File Number 33,407-B79, dated March 2006), provides a minimum four (4) foot separation between the estimated seasonal high groundwater table.

The acreage of the base grade being certified is 2.2 acres. This area will provide 63,200 cubic yards of airspace for disposal of 47,200 tons of waste at an in-place density of 1,500 lbs/cy. The anticipated life of this area is four (4) months.

If you have any questions or comments, please do not hesitate to contact me at (803) 254-4400. Mr. Rudy Curtis and Mr. Don Thomas in our office are also available at this same number to assist with any needed additional information.

Very truly yours,

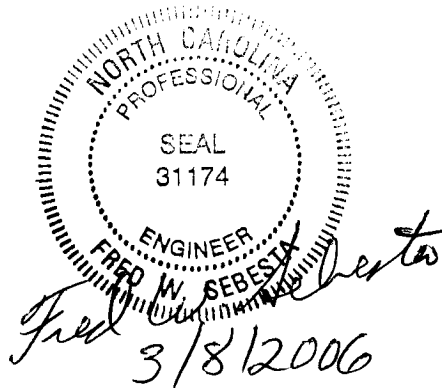
B.P. BARBER & ASSOCIATES, INC.



Fred W. Sebesta, P.E.
Senior Project Engineer II

Enclosures

cc: Mr. John E. Murray, P.E.
Mr. Brian Wootton
Mr. Mike Griffin





North Carolina Department of Environment and Natural Resources

Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary

March 10, 2006

Mr. Mike Griffin
North Mecklenburg Landfill Inc.
19109 West Catawba Avenue Suite 300
Cornelius, North Carolina 28031

Re: North Mecklenburg C&D Landfill – Expansion 2, Phase 1A
Solid Waste Permit No. 60-13,
Mecklenburg County

Dear Mr. Griffin:

The Solid Waste Section has determined that North Mecklenburg C&D Landfill, Inc. has met the pre-operative conditions of the Solid Waste Permit No. 60-13, Part 1: Permit to Construct for Phase 1A. Approval to Operate Phase 1A in accordance with 15A NCAC 13B and the conditions of the permit to operate is hereby granted. Enclosed is Appendix 3 "List of Approved Documents," which has been revised to include CQA documentation for Phase 1A.

Waste boundary markers need to be placed at all corners and two on any curve.

Please review the conditions of permit carefully. If you have any questions or comments about the enclosed permit, please feel free to contact me at (704) 235-2163 or the Solid Waste Specialist for your area, Teresa Bradford, at (704) 663-1699.

Sincerely,

John E. Murray, P.E.
Regional Permitting Engineer
Solid Waste Section

cc: Ed Mussler, SWS
Brent Rockett, SWS
Teresa Bradford, SWS
Rudy M. Curtis, B. P. Barber & Associates Inc.
RCO Files: North Mecklenburg Landfill #60-16



Permit No.: 60-13
Part 2-Permit to Operate
Date of Original Issue: June 24, 1993
Date of Amendment: March 10, 2006
(Phase 1A)

Page 1 of 9

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
Dexter R. Matthews, Director Division of Waste Management Michael F. Easley, Governor
William G. Ross Jr., Secretary

**STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT**

SOLID WASTE PERMIT

NORTH MECKLENBURG C&D LANDFILL INC.
is hereby issued a

PERMIT TO OPERATE

A Construction and Demolition Landfill unit, Phase 1A

located at 15300 Holbrooks Road, southeast of the Town of Huntersville, in Mecklenburg County, North Carolina, as described in the legal description contained in the application for this permit in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated there under and subject to the conditions set forth in this permit.

Edward F. Mussler III
CN = Edward F. Mussler III, C =
US, O = Division of Waste
Management, OU = Solid
Waste Section

I have reviewed this document
and I am approving this
document
2006.03.10 14:03:25 -05'00'

Edward F. Mussler, III, P.E.,
Permitting Branch Supervisor
Solid Waste Section
Division of Waste Management

ATTACHMENT 3
List of Approved Documents
NORTH MECKLENBURG C&D LANDFILL INC.

Part I: Permitting History

Permit Type	Date Issued
Original Issue (PTO)(Ph.1)	June 24, 1993
Amendment 1 Phase 2	March 7, 1995
Amendment 2 (PTC)	October 19, 2001
Amendment 3(PTO) 4.4 acres	October 26, 2001
Amendment 4(PTC) Exp. 2, Phase 1A, 4.72 ac.	March 10, 2006
Amendment 5 (PTO) Exp. 2, Phase 1A, 4.72 ac.	March 10, 2006

Part II: List of Documents for the Approved Plan

1. Certification Letter Sebesta, Fred E. to Ed Mussler, Head, Solid Waste Permitting Branch. *RE: North Mecklenburg Landfill, Inc. North Mecklenburg C&D Landfill. Expansion II. Project No. I 05185NM.* B.P. Barber & Associates, Inc. Columbia, SC. March 8, 2006. Received March 9, 2006.
2. Drawing *Phase 1A Base Grading Record Drawing*. Prepared by: B.P. Barber & Associates, Columbia, SC. Prepared for: North Mecklenburg C&D Landfill, Inc. File Number 33,406-B79. March 8, 2006. The surveyor of record is H.B. Dingle, Jr., P.S., North Carolina Registration No. L-3900. Sheet 1 of 1.
3. Drawing *Seasonal High Groundwater and Base Grade Comparison*. Prepared by: B.P. Barber & Associates, Columbia, SC. Prepared for: North Mecklenburg C&D Landfill, Inc. File Number 33,407-B79. March 6, 2006. Drawing 1 of 1.

- End of Section -

ATTACHMENT 4 CONDITIONS OF PERMIT

Site Specific Conditions

1. This permit covers a operational period for the NORTH MECKLENBURG C&D LANDFILL INC., Construction and Demolition Debris Landfill of five (5) years from the issuance date of this Permit to Operate, and is therefore subject to review on or before March 10, 2011, as required under 15A NCAC 13B .0201(e).
 - a. Modifications to the facility and engineering plans may be required in accordance with the rules in effect at the time of the review.
 - b. The owner or operator shall submit a permit amendment or modification by November 10, 2006, prepared in accordance with the rules applicable to Construction and Demolition Debris landfills effective at the time of submittal.
2. The service area for this facility consists of the following counties: Mecklenburg, Union, Cabarrus, Catawba, Lincoln, Iredell and Gaston Counties in North Carolina and Lancaster and York Counties in South Carolina.
3. The total design gross capacity for the Phase 1 facility is approximately 200,700 cubic yards and consistent with the final contours as shown on Sheet No. C8 of 17 in the construction application. Gross capacity is defined as bottom of waste through the top of final cover.
 - a. The total facility capacity, existing phases plus Phase I of the expansion, is 2 million gross cubic yards. Phase 1 is 4.72 acres and has a capacity of 200,700 cubic yards of airspace and will last one year at 525 tons per day. The maximum rate of receipt of waste is approximately 300,000 tons per year. (Attachment 1, Part 2, Documents 15, 16 and 18.)
4. Operation of C&D landfill Phase 1B shall require written approval of the Section and shall be in accordance with the terms and conditions of the Permit to Construct issued March 10, 2006.
5. The total facility boundary of "Expansion 2" is 24.92 acres and contains 954,200 cubic yards of airspace with a total waste footprint of 14.64 acres. The projected life is five years at an average daily tonnage rate of 525 tons per day (in accordance with the approved plan, Attachment I, Part II, Document 16 and 18). The facility will be developed in three phases, 1 through 3.

General Conditions

6. The documents submitted in support of the application for permitting the facility are identified in Attachment 1 and 3, "List of Documents for Approved Plan" and constitute the approved plan for the construction, operation and closure of the facility. Where

discrepancies exist, the most recent submittal and the Conditions of Permit shall govern. Some components of the approved plan are reiterated in the Conditions of Permit.

7. This permit is not transferable.
8. All sedimentation/erosion control activities shall be conducted in accordance with the Sedimentation Control Act codified at 15 NCAC 4. Native vegetation shall be established on the completed C&D landfill unit in accordance with 15A NCAC 13B .0505 (3)(b)(c).

Operations

9. Operation of the C&D landfill shall be in accordance with Section .0505 of the Solid Waste Management Rules, the requirements contained in this permit, and shall conform to the operating procedures described in the approved plan. Should the approved plan and the rules are in conflict, the Solid Waste Management Rules shall take precedence unless specifically addressed by permit condition.
10. The facility operator shall have completed an approved operator training course in compliance with G.S. 130A-309.25.
 - a. A responsible individual certified in landfill operations shall be on-site at all times during all operating hours of the facility at all times while open for public use to ensure compliance with operational requirements.
 - b. All pertinent landfill-operating personnel shall receive training and supervision necessary to properly operate the C&D landfill unit in accordance with G.S. 130A-309.25 and addressed by memorandum dated November 29, 2000.
11. The C&D landfill units are permitted to receive the following waste types:
 - a. Unless otherwise specifically approved by permit condition, only "construction" or "demolition" types of solid wastes as defined in NCGS 130A-290 (a)(4) are permitted for acceptance and disposal in the C&D landfill units.
 - b. "Construction or demolition debris" as defined in G.S. 130A-290 (4) means solid waste resulting solely from construction, remodeling, repair or demolition operations on pavement, buildings, or other structures, but does not include inert debris, land-clearing debris or yard debris.
 - c. "Inert debris" as defined in G.S. 130A-290 (14) means solid waste that consists solely of material that is virtually inert, such as brick, concrete, rock and clean soil.
 - d. "Land-clearing debris" as defined in G.S. 130A-290 (15) means solid waste that is generated solely from land-clearing activities such as stumps and tree trunks.

- e. "Asphalt" in accordance with G.S. 130-294(m).
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- a. "Yard trash" as defined in G.S. 130A-290 (45) shall not be disposed in the landfill area. However, yard trash, along with land-clearing debris, may be accepted for processing in the Yard Waste Composting Area or disposal in a LCID landfill.
 - b. Municipal solid wastes, hazardous wastes, or liquid wastes are not permitted for acceptance or disposal in the C&D landfill units.
13. The permittee shall actively employ a screening program for the C&D unit that detects and prevents the disposal of MSW, hazardous, liquid or non-permitted wastes. At a minimum, the program shall include:
- a. Random inspections of incoming loads or other comparable procedures.
 - b. Records of any inspections.
 - c. Training of personnel to recognize hazardous and liquid wastes.
 - d. Development of a contingency plan to properly manage any identified hazardous, liquid or MSW wastes.
 - e. The plan must address identification, removal, storage, and final disposition of waste.

Cover Material Requirements

14. Solid waste shall be covered with a minimum of 6 inches of soil or an approved material of equivalent performance and thickness at least once per week or when the active area reaches 1 acre in size, or more often when necessary to prevent the site from becoming a visual nuisance or to mitigate conditions associated with fire, windblown materials, vectors, or excessive water infiltration.
15. Areas that will not receive additional waste for 12 months or more, but where final termination of operations has not occurred, shall be covered with a minimum of one foot of soil cover [15A NCAC 13B .0505(3)(b)] and stabilized with vegetative cover.
16. After final termination of disposal operations at the C&D unit or major part thereof, or upon revocation of a permit, the fill areas shall be covered with at least two feet of suitable compacted earth [15A NCAC 13B .0505(3)(c)] or other protective barrier as specified by the rules or the permit in effect at the time of closure.

Access and Safety

17. The C&D unit shall be adequately secured by means of gates, chains, berms, fences, or other security measures approved by the DWM to prevent unauthorized entry.
18. The access road to the C&D unit shall be of all-weather construction and maintained in good condition.
19. Signs shall be posted at the entrance of landfill in accordance with the Access and Safety Requirements under Operation Condition .0505(8).
 - a. Signs shall provide information on dumping procedures, the hours of operation, the permit number, and other pertinent information shall be posted at the entrance to the landfill.
 - b. Signs shall be posted stating that NO MSW, hazardous waste or liquid waste can be received in the C&D unit.
 - c. Traffic signs or markers shall be provided as necessary to promote orderly traffic patterns to and from the discharge area and to maintain safe operating conditions.
20. Dust control measures shall be implemented when necessary.
21. Barrels and drums shall not be disposed unless they are empty and perforated sufficiently to ensure that no liquid or hazardous waste is contained therein.
22. Asbestos waste shall be managed in accordance with 40 CFR 61.
23. Open burning of solid waste is prohibited. Fires shall be reported to the Solid Waste Section by phone within 24 hours of an incident and written notification shall be submitted within 14 working days addressing the events at the site and future actions to be taken in the future to avoid and or mitigate potential fire hazards.
24. The concentration of explosive gases generated by the C&D unit shall not exceed:
 - a. 25% of the lower explosive limit for gases in site structures excluding gas control or recovery system components if necessary; and
 - b. 100% of the lower explosive limit for gases at the property boundary. Installation of permanent gas monitoring wells may be required in the future to demonstrate compliance.
25. The removal of solid waste from the facility is prohibited unless the owner/operator approves and the removal is not performed on the working face. If C&D recycling is to take

place in the future, an amendment to the operations plan shall be submitted to the Solid Waste Section for review and approval.

Erosion and Sedimentation Control

26. Adequate sedimentation and erosion control measures shall be practiced to prevent silt from leaving the site of the C&D unit.
27. Adequate sedimentation and erosion control measures shall be practiced to prevent excessive on-site erosion.
28. Provisions for a vegetative ground cover sufficient to restrain erosion must be accomplished within 30 working days or 120 calendar days upon completion of any phase of C&D landfill unit development or as addressed in the approved Sedimentation and Erosion Control permit.

Drainage Control and Water Protection Requirements

29. Surface water shall be diverted from the operational area.
30. Surface water shall not be impounded over or in waste.
31. A separation distance of at least four feet shall be maintained between the C&D waste and the groundwater table as addressed in the site suitability application, hydrologic assessment section.
32. Solid waste (C&D) shall not be disposed in standing water.
33. Leachate shall be contained on site or properly treated prior to discharge. An NPDES permit may be required prior to discharge of leachate to surface waters and or for land disturbing activities greater than one acre.
34. Ground water quality for the C&D landfill unit is subject to the classification and remedial action provisions referenced in Rule .0503 (2)(d) of 15A NCAC 13B.
35. A closure and post-closure plan must be submitted for approval at least 90 days prior to closure or partial closure of any landfill unit. The plan must include all steps and measures necessary to close and maintain the C&D unit in accordance with all rules in effect at that time. At a minimum, the plan shall address the following:
 - a. Design of a final cover system as required by the solid waste management rules in effect at the time of closure;
 - b. Construction and maintenance/operation of the final cover system and erosion control structures;

- c. Surface water, ground water, and explosive gas monitoring.

Monitoring and Reporting Requirements

- 36. The following are requirements relating to groundwater monitoring for the C&D landfill facility:
 - a. Groundwater and surface water monitoring locations shall be established as identified in the approved plans, Appendix 1, Part 2, Documents 15 and 16.
 - b. The owner or operator shall sample the monitoring wells semi-annually or as otherwise directed in writing by the SWS Hydrogeologist.
 - c. A readily accessible, unobstructed, path shall be maintained so that monitoring wells may be accessed using four-wheel drive vehicles.
 - d. A licensed geologist shall be present to supervise the installation of groundwater monitoring wells. The exact locations, screened intervals, and nesting of the wells shall be established after consultation with the SWS Hydrogeologist at the time of well installation.
 - e. All well construction records and soil boring logs for new wells shall be submitted to the Solid Waste Section Hydrogeologist for review within 30 days of completion.
 - f. Each monitoring well shall be surveyed and hydraulic conductivity and effective porosity values shall be established for each screened interval in order to develop groundwater flow characteristics.
 - g. The owner or operator shall maintain a record of all monitoring events and analytical data. Reports of the analytical data for each water quality monitoring sampling event shall be submitted to DWM in a timely manner.
- 37. The owner or operator shall maintain a record of the amount of solid waste received at the C&D unit, compiled on a monthly basis. Scales shall be used to weigh the amount of waste received.
- 38. On or before August 1 annually, the permittee shall report the tons of waste received and disposed in the C&D landfill unit to the Solid Waste Section and to all counties from which waste was accepted on forms prescribed by the Section. The following is information regarding the annual reports:
 - a. The reporting period shall be for the previous year beginning July 1 and ending June 30.
 - b. The annual report shall list the amount of waste received and landfilled in tons and be compiled:

- i) On a monthly basis.
 - ii) By county, city or transfer station of origin.
 - iii) By specific waste type.
 - iv) By disposal location within the facility.
 - v) By diversion to alternative management facilities.
- c. A copy of the completed report shall be forwarded to each county manager for each county from which waste was received at the facility.
- d. A copy of the report and documentation that a copy of the report has been forwarded to all counties from which waste was accepted must be sent to the regional Waste Management Specialist by the date due on the prescribed annual report form.
39. All records required to be maintained by the owner or operator by regulation or permit shall be maintained on-site and made available to the SWS upon request.

- End of Permit Conditions -



Facility Permit No: 60-13
North Mecklenburg C&D Landfill
Part 1-Permit to Construct
Amendment No.3: Phase 1 Expansion II
March 10, 2006

NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
Dexter R. Matthews, Director

Division of Waste Management

Michael F. Easley, Governor
William G. Ross Jr., Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

**SOLID WASTE LANDFILL
FACILITY PERMIT**

North Mecklenburg C&D Landfill Inc.,

is hereby issued a
PERMIT TO CONSTRUCT
A SOLID WASTE LANDFILL FACILITY
Expansion II Phase 1

Located at 15300 Holbrooks Road, southeast of the Town of Huntersville, in Mecklenburg County, North Carolina in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The facility is located and described by the legal description of the site contained on page two of this permit.

Edward F. Mussler III
CN = Edward F. Mussler III, C = US, O
= Division of Waste Management, OU
= Solid Waste Section
I have reviewed this document and I
am approving this document
2006.03.10 14:01:32 -05'00'

Edward F. Mussler, III, P.E.,
Permitting Branch Supervisor
Permitting Branch

LEGAL DESCRIPTION OF REAL PROPERTY

The permitted municipal solid waste landfill is located and described by the legal description of the site or the property map contained within the approved application and includes the following properties recorded in the Mecklenburg County Register of Deeds Office.

1. Property in the Expansion, Mecklenburg County, NC, Register of Deeds.

Mecklenburg County, N.C. Register of Deeds					
Map Legend	Book	Page	Grantor	Grantee	Acres
4	18,455	134	Patsy H Holbrooks	C&D Management Company, LLC	4.510
5	18,690	961	John F Locklear	C&D Management Company, LLC	21.750
6	19,649	894	Catawba Lands Conservancy	C&D Management Company, LLC	3.083
Total Acreage					29.343

Pursuant to N.C. General Statutes 130A-301, whenever the municipal solid waste facility or any portion of the land within this permit is sold, leased, conveyed or transferred, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument a statement that the property has been used as a sanitary landfill and a reference by book and page to the recordation of the permit.

ATTACHMENT 1

PART 1: GENERAL FACILITY CONDITIONS

Issuance	Date
Original Issue (PTO)(Ph.1)	June 24, 1993
Amendment 1 Phase 2	March 7, 1995
Amendment 2 (PTC)	October 19, 2001
Amendment 3 (PTO) 4.4 acres	October 26, 2001
Amendment 4 (PTC) Exp.II 4.72ac.	March 10, 2006

Part 2: List of Documents for the Approved Plan

Documents 1-14 are contained in previous permits, identified above.

15. *North Mecklenburg C&D Reclamation "Center. Expansion II Permit. Site Plan Application Report. North Mecklenburg Landfill, Inc. Griffin Brothers Enterprises, Inc. C&D Management Company, LLC. Huntersville, North Carolina. Prepared for: North Mecklenburg Landfill, Inc. Huntersville, NC, Prepared by: Enviro-Pro, P.C. Fort Mill, SC. September 15, 2005. Revised through March 8, 2006. Project No. EP-1401.*
16. *C&D Landfill Permit Application. Engineering Report for the North Mecklenburg C&D Landfill. Expansion II. Prepared for North Mecklenburg Landfill, Inc. Cornelius, NC. Prepared by; B.P. Barber & Associates, Inc. Columbia, SC. October 27, 2005. Revised through February 15, 2006. Project No. 05185. Includes construction plan drawings (C1 through C17).*
17. *"Boundary Survey and Legal description of Expansion II". Prepared by: B. P. Barber Associates Inc. February 15, 2006.*
18. *Amendment to Construction and Demolition Debris Landfill Ordinance and Franchise Agreement. Issued by: Mecklenburg County. Issued to: North Mecklenburg Landfill, Inc. Minute Book 42-A. February 14, 2006.*

- End of Section -

ATTACHMENT 2 CONDITIONS OF PERMIT

General Conditions

1. This permit shall not be effective unless the certified copy is filed in the Register of Deeds office and indexed in the grantor index under the name of the owner of the land (C&D Management Company, LLC) in the county or counties in which the land is located. The certified copy of the permit, affixed with the Register's seal and the date, book, and page number of recording shall be returned to the Division of Waste Management (the Division).
2. When this property is sold, leased, transferred or conveyed, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument, a statement that the property has been used as a sanitary landfill.
3. The gross facility capacity, including the expansion is 2 million cubic yards. The size of the Expansion II area is 24.92 acres, and adds a gross capacity of 954,200 cubic yards. Gross capacity is defined as top of subgrade through the top of the final contours as identified in the approved plan, Part 2, Document 16. The landfill's disposal rate is 300,000 tons per year. The franchise begins on August 1, 2006 and ends on July 1, 2011 (Attachment 1, Part 2, Doc. 18).
4. This facility may receive solid waste that is generated within a service area consisting of Mecklenburg, Union, Cabarrus, Catawba, Lincoln, Iredell and Gaston Counties in North Carolina and Lancaster and York Counties in South Carolina.
5. The approved plan for this facility is described in Attachment 1, "List of Documents for Approved Plan". Where discrepancies exist, the most recent submittal and these Conditions shall govern. Some components of the approved plan are reiterated in these Conditions.
6. This permit is not transferable.
7. All pertinent records and reports including a copy of this permit and the approved plans shall be maintained at the facility and made available to the Division upon request.
8. The owner/operator is responsible for obtaining any and all permits and approvals necessary for the development of this project including approval from

appropriate agencies for a General or Individual NPDES Stormwater Discharge Permit.

9. Prior to operation of the facility and at all times of operation, the permittee shall be in compliance with all applicable lawfully adopted local ordinances.
10. Prior to construction of the Phase 1 Expansion 2A cell, all piezometers, ground-water monitoring wells and borings located in the proposed cell with the exception of non-cased borings are to be properly abandoned by over-drilling and sealing each location with cement grout according to 15A NCAC 2C .0113 (b)(1), "Procedures for Permanent Abandonment of Wells." In portions of the site where soil areas are to be undercut, do not grout in the wells up to pre-grade land surface, but up to proposed base grade surface cutting off excess vertical grout and possibly damaging the grouted wells.

Construction

11. This permit is for the development of the North Mecklenburg Construction and Demolition Landfill, Expansion II, Phase 1, within the approved facility description, in accordance with the approved plan (Attachment 1, Part 2, Docs 15 and 16). Phase 1 is approximately 4.72 acres, 200,700 cubic yards of gross airspace. Construction of additional phases will require written approval of the Division.
12. All sedimentation and erosion control measures will be conducted in accordance with the Sedimentation Control Act codified at 15 NCAC 4. Native vegetation shall be established on the completed landfill.

Monitoring and Reporting

13. Monitoring well design and construction shall conform to the specifications outlined in "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities."
14. The monitoring well locations for Phase 1 are as illustrated in the approved plans and shall be established to monitor that area.
15. A geologist shall be in the field to supervise well installation. The exact locations, screened intervals, and nesting of the wells shall be established after consultation with the Division Hydrogeologist at the time of well installation.
16. Prior to the acceptance of any waste at the facility, a baseline-sampling event shall be completed. The results of this sampling event shall be submitted to the

Division Hydrogeologist within 30 days after the sampling event unless otherwise approved in writing.

17. Well completion records and boring logs shall be submitted to the Division at the same time as the results of the initial sampling event or within 30 days upon completion of any new wells.
18. Each monitoring well shall be surveyed and hydraulic conductivity values and effective porosity values shall be established for the screened intervals for each monitoring well.
19. Data shall be used to determine ground water flow directions and rates for the facility.
20. Accessible and unobstructed paths shall be cleared and maintained so that four-wheel drive vehicles may access the monitoring wells at all times.
21. The permittee shall establish two locations for surface water sampling. Surface water shall be sampled and analyzed semi-annually according to the protocol and parameters required by the Division at the time of sampling.
22. The permittee shall maintain a record of all monitoring events and analytical data. Reports of the analytical data for each water quality monitoring sampling event shall be submitted to the Division in a timely manner.

- End of Section -

-Booklet-

60-13

Installation of Permanent Groundwater
Wells, North Mecklenburg C&D Landfill
Expansion Area II

3/6/06



March 6, 2006

Mr. Brian Wootton
North Carolina DENR
Solid Waste Section
Division of Waste Management
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

RE: Installation of Permanent Groundwater Monitor Wells
North Mecklenburg C&D Landfill – Expansion Area II
15300 Holbrooks Road
Huntersville, North Carolina

Dear Mr. Wootton:

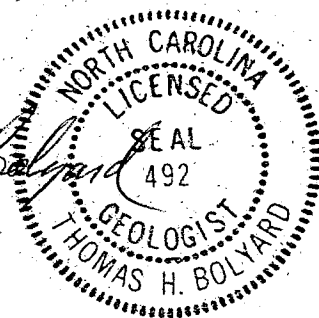
In accordance with our approved Groundwater Monitoring Plan for the subject site, Enviro-Pro, P.C. (EP) personnel supervised the installation of six permanent groundwater monitor wells on February 8, 2006. Lithologic and Well Completion logs for these wells are provided in the attached appendix. These wells were subsequently sampled by EP personnel on February 24, 2006 with the samples submitted to Pace Analytical. Results will be submitted upon receipt from the laboratory.

Please contact me at (803) 547-4955 if you have any questions or comments concerning this matter.

Sincerely,
ENVIRO-PRO, P.C.

A handwritten signature in cursive script, appearing to read "Thomas H. Bolyard", is written over the typed name.

Thomas H. Bolyard, P.G.
Senior Hydrogeologist



cc: Mr. Mike Griffin, Griffin Brothers Companies, LLC:

APPENDIX

ENVIRO-PRO, P.C. Fort Mill, SC	Well Completion Log Type II	Well #: MW-1 Job #: EP-1401 Client: Griffin Brothers, LLC
Project Location North Meck LF, Holbrooks Road, Huntersville	County State Mecklenburg NC	Logged By: THB
Land Surface Elev.	Measuring Pt. Elev.	Date Began: 2/8/06 Date Completed: 2/8/06
Well Dev. Method	Volume Evacuated: Appearance:	Monitored Formation:

ABOVE GROUND FINISH

MP FT ALS _____

TOC FT ALS _____

FT LS _____

VENTED CAP

WELL LOCK

WELL D PLATE

PROTECTIVE CASING

DIA _____

SURFACE CASING

MAT _____

SCH _____

DIA _____

CEMENT/BENTONITE

CALC USED _____

INNER CASING

MAT: PVC _____

SCH: 40 _____

DIA: 2" _____

INNER BOREHOLE

DIA 6" _____

CENTRALIZER

TYPE MAT _____

SIZE DIA _____

CEMENT/BENTONITE

VOL CALC _____

VOL USED _____

BELOW GROUND FINISH

KRI STI BOX DIA _____

LS _____

MP FT (BLS) _____

(FT) _____

FT _____

SURFACE BOREHOLE

DIA _____

FT _____

W W/O _____

DRILL METHODS

1) **Air Rotary**

2) _____

3) _____

4) _____

REMARKS

NOTE: ALL MEASUREMENTS IN DEPTH BELOW LAND SURFACE (BLS) OR ABOVE LAND SURFACE (ALS)

OPTIONAL

BENTONITE SEAL

Pellets _____

SIZE _____

TYPE _____

VOL CALC _____

VOL USED _____

SAND PACK

TYPE _____

SIZE GRADE: _____

#2: Medium _____

SCREEN

MAT: PVC _____

SLOT _____

SIZE: 0.01 _____

SLOT TYPE _____

DEPTH MARKERS

41 ft.

43 ft.

45 ft.

60 ft.

60 ft.

ENVIRO-PRO, P.C. Fort Mill, SC	Well Completion Log Type II	Well #: MW-2 Job #: EP-1401 Client: Griffin Brothers, LLC
Project Location North Meck LF, Holbrooks Road, Huntersville	County State NC Mecklenburg	Logged By: THB
Land Surface Elev.	Measuring Pt. Elev.	Date Began: Date Completed: 2/8/06 2/8/06
Well Dev. Method	Volume Evacuated: Appearance:	Monitored Formation:

ABOVE GROUND FINISH

(MP) FT _____
ALS _____

TOC
FT ALS _____

FT LS _____

BELOW GROUND FINISH

PET CASING
MAT _____
SCH _____
DIA _____

KRI STI
BOX DIA _____

L S _____

MP(FT) (BLS) _____

(FT) _____

FT _____

SURFACE BOREHOLE
DIA _____

W _____ FT
W/O _____

VENTED CAP

WELL LOCK

WELL D PLATE

PROTECTIVE CASING
DIA _____

OUTSIDE BOREHOLE-1
DIA _____

SURFACE CASING
MAT _____
SCH _____
DIA _____

CEMENT/BENTONITE
CALC USED _____

INNER CASING
MAT: PVC _____
SCH: 40 _____
DIA: 2" _____

INNER BOREHOLE
DIA 6"

CENTRALIZER
TYPE MAT _____
SIZE DIA _____

CEMENT/BENTONITE
VOL CALC _____
VOL USED _____

BENTONITE SEAL

Pellets SIZE _____
TYPE _____

VOL CALC _____
VOL USED _____

SAND PACK
-TYPE _____
-SIZE GRADE: _____
-#2: Medium

SCREEN
-MAT: PVC _____
-SLOT _____
-SIZE: 0.01 _____
-SLOT TYPE _____

DRILL METHODS

1) **Air Rotary**

2) _____

3) _____

4) _____

REMARKS _____

NOTE: ALL MEASUREMENTS IN DEPTH
BELOW LAND SLRFACE (BLS) OR ABOVE
LAND SURFACE (ALS)

OPTIONAL

3 ft.

5 ft.

7 ft.

17 ft.

17 ft.

ENVIRO-PRO, P.C. Fort Mill, SC	Well Completion Log Type II	Well #: MW-3 Job #: EP-1401 Client: Griffin Brothers, LLC
Project Location North Meck LF, Holbrooks Road, Huntersville	County State Mecklenburg NC	Logged By: THB
Land Surface Elev.	Measuring Pt. Elev.	Date Began: 2/8/06 Date Completed: 2/8/06
Well Dev. Method	Volume Evacuated: Appearance:	Monitored Formation:

ABOVE GROUND FINISH

(MP) FT _____
ALS _____

TOC
FT ALS _____

FT LS _____

BELOW GROUND FINISH

PET CASING
MAT _____
SCH _____
DIA _____

WELL LOCK

VENTED CAP

WELL D PLATE

PROTECTIVE CASING
DIA _____

OUTSIDE BOREHOLE-1
DIA _____

SURFACE CASING
MAT _____
SCH _____
DIA _____

CEMENT/BENTONITE
CALC USED _____

INNER CASING
MAT: PVC _____
SCH: 40 _____
DIA: 2" _____

INNER BOREHOLE
DIA 6"

CENTRALIZER
TYPE MAT _____
SIZE DIA _____

CEMENT/BENTONITE
VOL CALC _____
VOL USED _____

BENTONITE SEAL

Pellets SIZE TYPE _____

VOL CALC _____

VOL USED _____

SAND PACK
TYPE _____

SIZE GRADE: #2: Medium

SCREEN
MAT: PVC
SLOT
SIZE: 0.01
SLOT TYPE _____

MP (FT) (BLS) _____

(FT) _____

FT _____

SURFACE BOREHOLE
DIA _____

W _____ W/O _____

1 ft.

3 ft.

6 ft.

16 ft.

16 ft.

DRILL METHODS

1) **Air Rotary**

2) _____

3) _____

4) _____

REMARKS _____

NOTE: ALL MEASUREMENTS IN DEPTH BELOW LAND SURFACE (BLS) OR ABOVE LAND SURFACE (ALS)

OPTIONAL

ENVIRO-PRO, P.C. Fort Mill, SC	Well Completion Log	Type II	Well #: MW-4 Client: Griffin Brothers, LLC	Job #: EP-1401
Project Location North Meck LF, Holbrooks Road, Huntersville	County Mecklenburg	State NC	Logged By: THB	
Land Surface Elev.	Measuring Pt. Elev.	Date Began: 2/8/06	Date Completed: 2/8/06	
Well Dev. Method	Volume Evacuated: Appearance:	Monitored Formation:		

ABOVE GROUND FINISH

VENIED CAP

WELL LOCK

WELL D PLATE

PROTECTIVE CASING

OUTSIDE BOREHOLE-1

SURFACE CASING

CEMENT/BENTONITE

INNER CASING

INNER BOREHOLE

CENTRALIZER

CEMENT/BENTONITE

BENTONITE SEAL

SAND PACK

SCREEN

BELOW GROUND FINISH

PET CASING

MAT

SCH

DIA

KRI STI

BOX DIA

L S

MP (FT)

(BLS)

(FT)

FT

SURFACE BOREHOLE

DIA

FT

W W/O

3'

5'

7.5'

17.5'

17.5'

DRILL METHODS

1) Air Rotary

2)

3)

4)

REMARKS

NOTE: ALL MEASUREMENTS IN DEPTH BELOW LAND SLRFACE (BLS) OR ABOVE LAND SURFACE (ALS)

OPTIONAL

Pellets

SIZE

TYPE

VOL CALC

VOL USED

SIZE GRADE:

#2: Medium

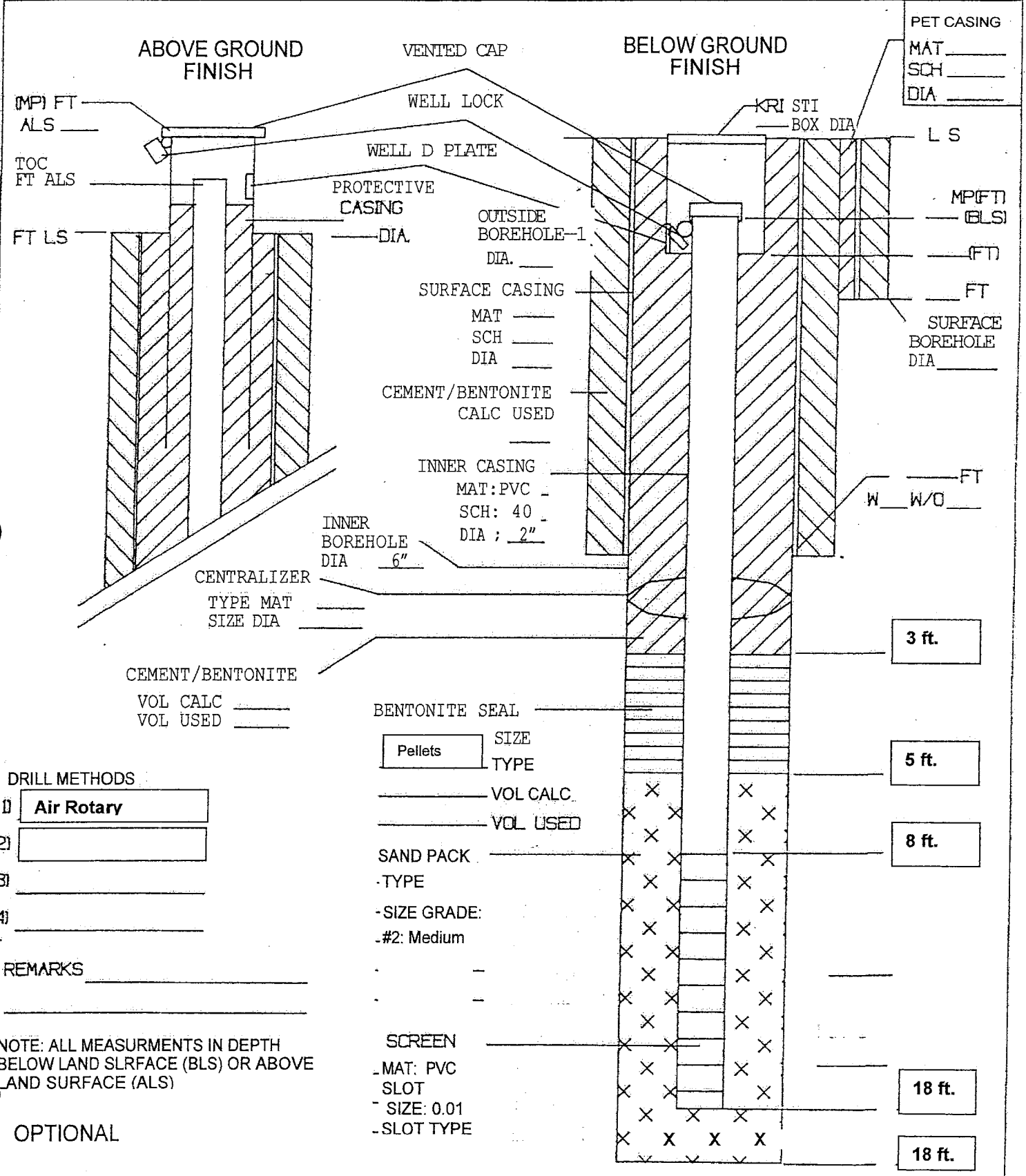
MAT: PVC

SLOT

SIZE: 0.01

SLOT TYPE

ENVIRO-PRO, P.C. Fort Mill, SC	Well Completion Log Type II	Well #: MW-5 Job #: EP-1401 Client: Griffin Brothers, LLC
Project Location North Meck LF, Holbrooks Road, Huntersville	County State Mecklenburg NC	Logged By: THB
Land Surface Elev.	Measuring Pt. Elev.	Date Began: 2/8/06 Date Completed: 2/8/06
Well Dev. Method	Volume Evacuated: Appearance:	Monitored Formation:



- DRILL METHODS
- 1) **Air Rotary**
 - 2)
 - 3)
 - 4)

REMARKS _____

NOTE: ALL MEASUREMENTS IN DEPTH
 BELOW LAND SURFACE (BLS) OR ABOVE
 LAND SURFACE (ALS)

OPTIONAL

BENTONITE SEAL

Pellets	SIZE
	TYPE
	VOL CALC
	VOL USED

SAND PACK

TYPE _____

SIZE GRADE: _____

#2: Medium

SCREEN

MAT: PVC

SLOT _____

SIZE: 0.01

SLOT TYPE _____

- 3 ft.
- 5 ft.
- 8 ft.
- 18 ft.
- 18 ft.

ENVIRO-PRO, P.C.
Fort Mill, South Carolina

LITHOLOGIC LOG

Boring No.: MW-6 Job No: EP-1401
Client: Griffin Brothers, LLC

Project Location: North Meck LF, Holbrooks Road, Huntersville State: NC Total Depth: 25'
Logged By: THB Soil Sample Method: soil cuttings Date Started: 2/8/06 Date Complete: 2/8/06
Driller: Tom with EDPS Drill Method: Air Rotary Equipment Type: Canterra CT-350 Boring Diameter: 6"
Soil Gas Sample Method: Groundwater (bmp): 0 hrs Static WL
Land Surface Elevation (LS): Measuring Point Elev. (MP): Remarks:

Elevation ft.	Depth ft.	SPT/Interval	Sample ID No.	Description	Soil Gas	Moisture	USCS Log	Comments
				Orange-brown silty Sand				
	5.0			Tan-brown silty Sand with rock fragments				
	10.0							
	15.0			Gray-brown silty Sand with rock fragments (PWR)				
	20.0							
	25.0			Terminated drilling @ 25' bgs.				
				Set 2" PVC well screened from 25-10'; sand to 8';				
				bentonite to 6'; grout to surface.				
	40.0							
	45.0							

ENVIRO-PRO, P.C. Fort Mill, SC	Well Completion Log Type II	Well #: MW-6 Job #: EP-1401 Client: Griffin Brothers, LLC
Project Location North Meck LF, Holbrooks Road, Huntersville	County State Mecklenburg NC	Logged By: THB
Land Surface Elev.	Measuring Pt. Elev.	Date Began: 2/8/06 Date Completed: 2/8/06
Well Dev. Method	Volume Evacuated: Appearance:	Monitored Formation:

ABOVE GROUND FINISH

(MP) FT ALS _____

TOC FT ALS _____

FT LS _____

VENTED CAP

WELL LOCK

WELL D PLATE

PROTECTIVE CASING

OUTSIDE BOREHOLE-1

SURFACE CASING

CEMENT/BENTONITE CALC USED

INNER CASING

CENTRALIZER

CEMENT/BENTONITE

BELOW GROUND FINISH

KRI STI BOX DIA _____

L S _____

MP(FT) (BLS) _____

(FT) _____

FT _____

SURFACE BOREHOLE DIA _____

_____ FT

W _____ W/O _____

6 ft.

8 ft.

10 ft.

25 ft.

25 ft.

DRILL METHODS

1) **Air Rotary**

2) _____

3) _____

4) _____

REMARKS

NOTE: ALL MEASUREMENTS IN DEPTH BELOW LAND SLRFACE (BLS) OR ABOVE LAND SURFACE (ALS)

OPTIONAL

PET CASING

MAT _____

SCH _____

DIA _____

INNER BOREHOLE

DIA 6"

INNER CASING

MAT: PVC

SCH: 40

DIA: 2"

PELLETS

SIZE _____

TYPE _____

VOL CALC _____

VOL USED _____

SAND PACK

TYPE _____

SIZE GRADE: #2: Medium

SCREEN

MAT: PVC

SLOT _____

SIZE: 0.01

SLOT TYPE _____

-Booklet-

60-13

Fax Transmittals

North Mecklenburg County LF
Amendment to Construction and Demolition
Debris Landfill Ordinance and Franchise
Agreement

Permit #600-13

FAX TRANSMITTAL COVER SHEET

Permit File



STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES

FROM: Name: John Murrain
Division: ~~AIR QUALITY~~ Solid Waste

MOORESVILLE REGIONAL OFFICE
610 East Center Avenue, Suite 301
Mooreville, NC 28115

Phone 704/663-1699

FAX 704/663-7579

DATE: 2/27/06

TO: Ed Mussler

FAX NUMBER: 919-733-4810

SUBJECT: N. Meck

NUMBER OF PAGES (Including Cover):

Permit # 60-13

AMENDMENT TO CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL ORDINANCE AND FRANCHISE AGREEMENT

THIS AGREEMENT, made and entered into this 14th day of February, 2006 by and between Mecklenburg County, a political subdivision of the State of North Carolina by and through its Board of County Commissioners (hereinafter the "County"), and North Mecklenburg Landfill, Inc. (hereinafter "Landfill").

WHEREAS, on June 5, 2001 the County adopted the Construction and Demolition Debris Landfill Ordinance and Franchise Agreement (hereinafter the "Agreement") for operation of a construction and demolition debris landfill and resource recovery facility located at 153000 Holbrooks Road, Huntersville, North Carolina, which is located within the extraterritorial zoning jurisdiction of the Town of Huntersville; and

WHEREAS, the term of said Agreement was for five years, to expire on July 31, 2006; and

WHEREAS, the Landfill desires to extend the term of the Agreement and to laterally expand the size of its operations by approximately 25 acres; and

WHEREAS, the Landfill has secured the necessary approval from the Town of Huntersville for the expansion, and amendment to the County's Agreement with the Landfill is required by the State of North Carolina before the State can issue the State solid waste permit.

NOW, THEREFORE, in consideration of the promises and mutual covenants herein contained, the County and Landfill do hereby agree as follows:

1. Section 1.4 of the Agreement is amended to read as follows:

The population to be served is as follows:

	2000	2004
County	Census	Estimate
✓ Mecklenburg	695,454	771,617
✓ Gaston	190,365	194,459
✓ Lincoln	63,780	67,952
Iredell	122,660	136,924
✓ Cabarrus	131,063	146,135
✓ Union	123,677	153,652
Lancaster, SC	61,351	63,135
York, SC	164,614	183,762
TOTAL	1,552,964	1,717,636

2. Section 1.6 of the Agreement is amended to read as follows:

The nonexclusive franchise shall permit the acceptance at the Landfill's Disposal Facility of a maximum of 300,000 tons of construction and demolition debris per year as such phrase is defined by Chapter 130A of the North Carolina General Statutes.

3. Section 1.7 of the Agreement is amended to read as follows:

The projected useful life based upon an increased total capacity to 2 million cubic yards is ten (10) years beginning in 2001.

4. Section 3 of the Agreement is amended to read as follows:

The term of Agreement shall be for ten (10) years beginning on August 1, 2001 and ending on July 31, 2011.

5. Section 4.2 of the Agreement is amended by adding the following new sentence as the last sentence:

Landfill's Disposal Facility shall have the boundaries as shown on the attached map.

6. The last bullet under section 5.9 is amended to read as follows:

- Landfill agrees never to operate another landfill off Holbrooks Road after July 2006, but Landfill and the Town of Huntersville have agreed that the expansion of the Landfill's Disposal Facility allowed by the 2006 Amendment to this Agreement does not constitute "another landfill off Holbrooks Road"

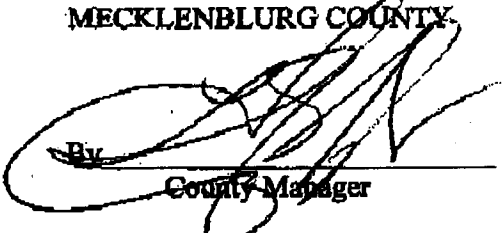
7. The following is added as a new section 5.10:

5.10 To the extent that the provisions of the Agreement conflict with the Special Use Permit granted by the Town of Huntersville, the provisions of the Special Use Permit shall prevail.

8. Except as amended herein, the remaining provisions of the Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the parties have caused this Amendment to the Agreement to be duly executed, in duplicate this the 14th day of February, 2006.

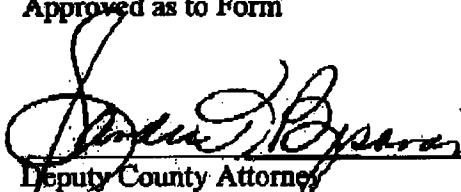
MECKLENBURG COUNTY

By 
County Manager

ATTEST:

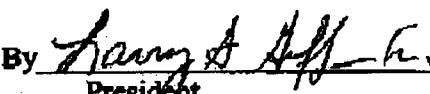

Clerk to the Board

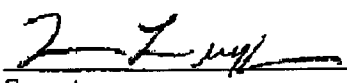
Approved as to Form


Deputy County Attorney

NORTH MECKLENBURG LANDFILL, INC.

ATTEST:

By 
President


Secretary

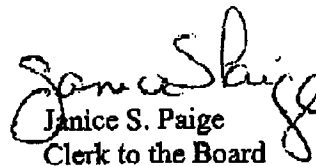


MECKLENBURG COUNTY
Clerk to the Board

**STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG**

I, Janice S. Paige, Clerk to the Board of County Commissioners of Mecklenburg County, DO HEREBY CERTIFY that the attached is a true and exact copy of Amendment To Construction And Demolition Debris Landfill Ordinance and Franchise Agreement adopted by the Mecklenburg County Board of County Commissioners in a meeting held February 14, 2006 recorded in full in Minute Book 42-A.

Witness my hand and the official seal of said Board, this the 14th day of February 2006.


Janice S. Paige
Clerk to the Board

PEOPLE • PRIDE • PROGRESS • PARTNERSHIPS

600 East Fourth Street • Charlotte, North Carolina 28202-2835 • 704-336-2472 • Fax 704-336-5887

www.co.mecklenburg.nc.us

Subject: Re: N. Meck
From: Mike Griffin <mike@griffinbrothers.com>
Date: Mon, 13 Feb 2006 17:40:18 -0500
To: John Murray <John.Murray@ncmail.net>

John,

The land for Expansion II is owned by C&D Management Company, LLC which is the same owners as the operator, North Mecklenburg Landfill, Inc. Both companies are owned by Larry A Griffin, Sr; Larry A Griffin, Jr; and Michael L Griffin.

Best regards,

Mike

Mike Griffin
Griffin Bros. Companies
19109 W Catawba Ave, Suite 200
Cornelius, NC 28031-5611
704.895.4506 Fax 704.896.2960

mike@griffinbrothers.com

www.griffinbrothers.com

On Feb 13, 2006, at 5:03 PM, John Murray wrote:

Who is the property owner? Which Company owns the operation and which is the operator?

Mike Griffin wrote:

John,

Attached is our last permit.

Best,

Mike

North Mecklenburg Landfill, Inc.

North Mecklenburg C&D Landfill Expansion II

Construction Plan Application

1.0 GENERAL PROVISIONS

1.1 Project Description

This Application for Permit to Construct the North Mecklenburg C&D Landfill Expansion II is being submitted by B.P. Barber & Associates, Inc. on behalf of North Mecklenburg Landfill, Inc. This application meets the landfill design parameters, contraction requirements, and design drawing requirements found in Section .0504(2) of 15A NCAC 13B of the North Carolina Solid Waste Management Rules. This application package includes information regarding the site design, construction, operation, and closure.

Project Title:	North Mecklenburg C&D Landfill Expansion II
Owner:	North Mecklenburg Landfill, Inc. 19109 West Catawba Avenue Suite 200 Cornelius, North Carolina 28031 (704) 895-0329
Owner's Representative:	Ronald C. Gilkerson, P.G.
Consulting Engineer:	B.P. Barber & Associates, Inc. Post Office Box 1116 Columbia, South Carolina 29202-1116
Consulting Engineer's Representatives:	Rudy M. Curtis, Senior Solid Waste Coordinator Fred W. Sebesta, P.E., Senior Project Engineer Donald W. Thomas, Senior Design Associate
Proposed Site Operator:	North Mecklenburg Landfill, Inc. 19109 West Catawba Avenue Suite 118 Cornelius, North Carolina 28031 (704) 895-0329
Operator's Representative:	Ronald C. Gilkerson, P.G.

North Mecklenburg C&D Landfill is located at 15300 Holbrooks Road in Huntersville, NC. (See Figure 1 in Section II, Siting Criteria Report.) The landfill was

North Mecklenburg Landfill, Inc.

North Mecklenburg C&D Landfill Expansion II

Construction Plan Application

expanded (Expansion I) in 2001. A permit is being sought for this second expansion, Expansion II, consisting of tracts of land totaling 23.4 acres; of this expansion area, 16.8 acres will be used for landfilling. Access to the site is provided via Holbrooks Road. The property is owned by C&D Management, L.L.C. and the landfill will be operated by North Mecklenburg Landfill, Inc. Mr. Roger Barnes (Telephone (704) 875-3367) will be responsible for daily operations.

The site will continue to serve Mecklenburg County and southern Iredell County and may serve contiguous counties. The landfill will accept waste resulting from land clearing, construction, remodeling, or demolition operations.

1.2 Site Conditions

The proposed expansion shown in Appendix E and on the Engineering Drawings (File Number 33,182-B76, Dated October 2005) consists of wooded and developed property.

The majority of the property is wooded but there are seven (7) buildings within the proposed footprint that will be abandoned and demolished. Two (2) private wells within the proposed footprint will be abandoned following requirements of Title 15A NCAC 02C .0113. Ground surface elevations of the proposed expansion area range from 670 to 740 feet MSL. Crane Creek borders the proposed expansion on the east and an unnamed tributary to Crane Creek borders the area on the south.



NONRESIDENTIAL

North Carolina Department of Environment and **WELL CONSTRUCTION RECORD**

Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION #3307

1. WELL CONTRACTOR: Environmental Drilling & Probing Services, LLC (EDPS)		d. TOP OF CASING IS 2.5 FT. Above Land Surface*	
Well Contractor (Individual) Name Tommy Bolyard		*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.	
Well Contractor Company Name STREET ADDRESS 17538 Greenhill Rd. Charlotte NC 28278		e. YIELD (gpm): NA METHOD OF TEST NA	
City or Town State Zip Code		f. DISINFECTION: Type NA Amount NA	
Area code- Phone number (704) 807-7529		g. WATER ZONES (depth): From To From To	
2. WELL INFORMATION: SITE WELL ID # (if applicable)		NA	
STATE WELL PERMIT # (if applicable)		From To From To	
DWO or OTHER PERMIT # (if applicable)		6. CASING: Diameter Weight Material From Thickness/ Depth 2" Sch.40 PVC To Ft.	
WELL USE (Check Applicable Box) Monitoring <input checked="" type="checkbox"/> Municipal/Public D		From 45 To 0 Ft.	
Industrial/Commercial D Agricultural D Recovery D Injection D		From To Ft.	
DATE DRILLED 2/8/06		7. GROUT: Depth Material Method From	
TIME COMPLETED		To Ft.	
3. WELL LOCATION: CITY: COUNTY		From 43 To 41 Ft. Bentonite Tremie	
Huntersville Meck		From 41 To 0 Ft. Grout Tremie	
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)		SCREEN	
TOPOGRAPHIC / LAND SETTING: Slope Valley Flat Ridge Other		From 80 To 45 Ft.	
LATITUDE: N35°24'38" May be in degrees.		9. SAND/GRAVEL PACK: Depth Size Material	
LONGITUDE: W80°50'35" minutes, seconds or in a		From To Ft.	
Latitude/longitude source: GPS Topographic map (location of well must be shown on a USGS topo map and attached to this form if not using GPS)		From 80 To 43 Ft.	
4. FACILITY- is the name of the business where the well is located.		10. DRILLING LOG From To Formation Description	
FACILITY ID # (if applicable)		0-60' Sands	
NAME OF FACILITY North Mecklenburg C&D Landfill			
STREET ADDRESS Holbrooks Road			
Huntersville, North Carolina			
City or Town State Zip Code			
MAILING ADDRESS			
City or Town State Zip Code			
Area code - Phone number			
5. WELL DETAILS: TOTAL DEPTH: 80'		11. REMARKS	
b. DOES WELL REPLACE EXISTING WELL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		Well ID No: MW-1	
c. WATER LEVEL Below Top of Casing: 53.37 FT. (Use "+" if Above Top of Casing)		I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER	
		SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE Tommy Bolyard 2/13/06	
		PRINTED NAME OF PERSON CONSTRUCTING THE WELL	

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617
Mail Service Center - Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 588.

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Natural Resources- Division of Water Quality

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Well Contractor (Individual) Name Tommy Bolyard		*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .01 18.	
Well Contractor Company Name STREET ADDRESS 17538 Greenhill Rd. Charlotte NC 28278		e. YIELD (gpm): NA METHOD OF TEST NA	
City or Town State Zip Code		f. DISINFECTION: Type NA Amount NA	
Area code- Phone number (704) 607-7529		g. WATER ZONES (depth): From To From To	
2. WELL INFORMATION: SITE WELL ID # (if applicable)		NA	
STATE WELL PERMIT # (if applicable)		8. CASING: Diameter Weight Material From To Thickness/ Depth	
DWQ or OTHER PERMIT # (if applicable)		2" Sch. 40 PVC	
WELL USE (Check Applicable Box) Monitoring <input checked="" type="checkbox"/> Municipal/Public D		From 7 To 0 Ft.	
Industrial/Commercial D Agricultural n Recovery n Injection n		From To Ft.	
DATE DRILLED 2/8/06		7. GROUT: Depth Material Method From To Ft.	
TIME COMPLETED		From 5 To 3 Ft. Bentonite Tremie	
3. WELL LOCATION: CITY: Huntersville COUNTY Meck		From 3 To 0 Ft. Grout Tremie	
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)		SCREEN	
TOPOGRAPHIC / LAND SETTING: Slope Valley Flat Ridge Other		From 17 To 7 Ft.	
LATITUDE: N35°24'38" May be in degrees, minutes, seconds or in a		9. SAND/GRAVEL PACK: Depth Size Material	
LONGITUDE: W80°50'35"		From To Ft. #2, Med. Sand	
Latitude/longitude source: GPS Topographic map (location of well must be shown on a USGS topo map and attached to this form if not using GPS)		From 17 To 5 Ft.	
4. FACILITY- is the name of the business where the well is located		From To Ft.	
FACILITY ID # (if applicable)		10. DRILLING LOG From To Formation Description	
NAME OF FACILITY North Mecklenburg C&D Landfill		0-17' Sands	
STREET ADDRESS Holbrooks Road			
City or Town State Zip Code			
MAILING ADDRESS			
City or Town State Zip Code		11. REMARKS:	
Area code - Phone number		Well ID No: MW-2	
5. WELL DETAILS: TOTAL DEPTH: 17'		I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER	
b. DOES WELL REPLACE EXISTING WELL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		SIGNATURE OF CERTIFIED WELL CONTRACTOR Tommy Bolyard DATE 2/13/06	
c. WATER LEVEL Below Top of Casing: 12.59 FT. (Use "+" if Above Top of Casing)		PRINTED NAME OF PERSON CONSTRUCTING THE WELL	

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617
Mail Service Center - Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

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**NONRESIDENTIAL**

North Carolina Department of Environment and **WELL CONSTRUCTION RECORD**
 Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION #3307

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Well Contractor (Individual) Name Tommy Bolyard		*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .01 18.	
Well Contractor Company Name STREET ADDRESS 17538 Greenhill Rd. Charlotte NC 28278		e. YIELD (gpm): NA METHOD OF TEST NA	
City or Town State Zip Code		f. DISINFECTION: Type NA Amount NA	
Area code- Phone number (704) 807-7629		g. WATER ZONES (depth): From To From To	
2. WELL INFORMATION SITE WELL ID # (if applicable)		NA	
STATE WELL PERMIT # (if applicable)		From To From To	
DWQ or OTHER PERMIT # (if applicable)		8. CASING: Diameter Weight Material From Thickness/ Depth To Ft.	
WELL USE (Check Applicable Box) Monitoring <input checked="" type="checkbox"/> Municipal/Public D Industrial/Commercial D Agricultural n Recovery n Injection n		2" Sch.40 PVC	
DATE DRILLED 2/8/06		From 8 To 0 Ft.	
TIME COMPLETED		From To Ft.	
3. WELL LOCATION. CITY: Huntersville COUNTY: Meck		7. GROUT: Depth Material Method From To Ft.	
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)		From 3 To 1 Ft. Bentonite Tremie	
TOPOGRAPHIC / LAND SETTING: Slope Valley Flat Ridge Other		From 1 To 0 Ft. Grout Tremie	
LATITUDE: N35°24'38" May be in degrees.		SCREEN	
LONGITUDE: W80°50'35" minutes, seconds or in a		From 16 To 8 Ft.	
Latitude/longitude source: GPS Topographic map (location of well must be shown on a USGS topo map and attached to this form if not using GPS)		9. SAND/GRAVEL PACK: Depth Size Material From To Ft.	
4. FACILITY- is the name of the business where the well is located.		#2, Med. Sand	
FACILITY ID # (if applicable)		From 16 To 3 Ft.	
NAME OF FACILITY North Mecklenburg C&D Landfill		From To Ft.	
STREET ADDRESS Holbrook Road		10. DRILLING LOG From To Formation Description	
Huntersville, North Carolina		0-16' Sands	
City or Town State Zip Code			
MAILING ADDRESS			
City or Town State Zip Code			
Area code - Phone number		11. REMARKS:	
5. WELL DETAILS: TOTAL DEPTH: 16'		Well ID No: MW-3	
b. DOES WELL REPLACE EXISTING WELL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.	
c. WATER LEVEL Below Top of Casing: 9.78 FT (Use "-" if Above Top of Casing)		SIGNATURE OF CERTIFIED WELL CONTRACTOR Tommy Bolyard	
		DATE 2/13/06	
		PRINTED NAME OF PERSON CONSTRUCTING THE WELL	

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617
 Mail Service Center - Raleigh, NC 27698-1617 Phone No. (919) 733-7016 ext 568.

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**NONRESIDENTIAL**North Carolina Department of Environment and **WELL CONSTRUCTION RECORD**

Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION #3307

1. WELL CONTRACTOR: Environmental Drilling & Probing Services, LLC (EDPS)		d. TOP OF CASING IS 2.5 FT. Above Land Surface*	
Well Contractor (Individual) Name Tommy Bolyard		*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .01 18.	
Well Contractor Company Name STREET ADDRESS 17538 Greenhill Rd. Charlotte NC 28278		6. YIELD (qpm): NA METHOD OF TEST NA	
City or Town State Zip Code		f. DISINFECTION: Type NA Amount NA	
Area code- Phone number (704) 807-7529		g. WATER ZONES (depth): From To From To	
2. WELL INFORMATION: SITE WELL ID # (if applicable)		NA	
STATE WELL PERMIT # (if applicable)		8. CASING: Diameter Weight Material From To Thickness/ Depth Fl	
DWQ or OTHER PERMIT # (if applicable)		2" Sch. 40 PVC	
WELL USE (Check Applicable Box) Monitoring <input checked="" type="checkbox"/> Municipal/Public D		From 7.5 To 0 Fl	
Industrial/Commercial D Agricultural n Recovery n Injection n		From To Fl	
DATE DRILLED 2/8/06		7. GROUT: Depth Material Method From To Fl	
TIME COMPLETED		From 5 To 3 Fl. Bentonite Tremie	
3. WELL LOCATION: CITY: Huntersville COUNTY: Meck		From 3 To 0 Fl. Grout Tremie	
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)		SCREEN	
TOPOGRAPHIC / LAND SETTING: Slope Valley Flat Ridge Other		From 17.5 To 7.5 Fl	
LATITUDE: N35°24'38" LONGITUDE: W80°50'35"		9. SAND/GRAVEL PACK: Depth Size Material	
May be in degrees, minutes, seconds or in a		From To Fl. #2, Med. Sand	
Latitude/longitude source: GPS Topographic map		From 17.5 To 5 Fl	
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)		From To Fl.	
4. FACILITY- is the name of the business where the well is located.		10. DRILLING LOG From To Formation Description	
FACILITY ID # (if applicable)		0-17.5' Sands	
NAME OF FACILITY North Mecklenburg G&D Landfill			
STREET ADDRESS Holtbrooks Road			
Huntersville, North Carolina			
City or Town State Zip Code			
MAILING ADDRESS			
City or Town State Zip Code		11 REMARKS:	
Area code - Phone number		Well ID No: MW-4	
5. WELL DETAILS: TOTAL DEPTH: 17.5'		I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.	
b. DOES WELL REPLACE EXISTING WELL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE 2/13/06	
c. WATER LEVEL Below Top of Casing: 10.27 FT. (Use "+" if Above Top of Casing)		Tommy Bolyard	
		PRINTED NAME OF PERSON CONSTRUCTING THE WELL	

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617
Mail Service Center - Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

FormGW-1b
Rev. 7/05

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Natural Resources- Division of Water Quality

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Well Contractor Company Name STREET ADDRESS 17538 Greenhill Rd. Charlotte NC 28278		e. YIELD (qpm). NA METHOD OF TEST NA	
City or Town State Zip Code		f. DISINFECTION: Type NA Amount NA	
Area code- Phone number (704) 607-7529		g. WATER ZONES (depth): From To From To	
2. WELL INFORMATION SITE WELL ID # (if applicable)		NA	
STATE WELL PERMIT # (if applicable)		6. CASING: Diameter Weight Material From To Thickness/ Depth 2" Sch. 40 PVC	
DWQ or OTHER PERMIT # (if applicable)		From 8 To 0 Ft.	
WELL USE (Check Applicable Box) Monitoring <input checked="" type="checkbox"/> Municipal/Public D		From To Ft.	
Industrial/Commercial D Agricultural n Recovery n Injection n		7. GROUT: Depth Material Method From	
DATE DRILLED 2/8/06		To Ft.	
TIME COMPLETED		From 5 To 3 Ft. Bentonite Tremie	
3. WELL LOCATION. CITY: Huntersville COUNTY Meck		From 3 To 0 Ft. Grout Tremie	
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)		SCREEN	
TOPOGRAPHIC / LAND SETTING: Slope Valley Flat Ridge Other		From 18 To 8 Ft.	
LATITUDE: N35°24'38" May be in degrees.		9. SAND/GRAVEL PACK: Depth Size Material	
LONGITUDE: W80°50'35" minutes, seconds or in a		From To Ft.	
Latitude/longitude source: GPS Topographic map		From 18 To 5 Ft.	
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)		10. DRILLING LOG From To Formation Description	
4. FACILITY: is the name of the business where the well is located.		0-18' Sands	
FACILITY ID # (if applicable)			
NAME OF FACILITY North Mecklenburg C&D Landfill			
STREET ADDRESS			
Holbrooks Road			
Huntersville, North Carolina			
City or Town State Zip Code			
MAILING ADDRESS			
City or Town State Zip Code		11. REMARKS:	
Area code - Phone number		Well ID No: MW-5	
5. WELL DETAILS: TOTAL DEPTH: 18'		I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER	
b. DOES WELL REPLACE EXISTING WELL? YES D NO X		SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE 2/13/06	
c. WATER LEVEL Below Top of Casing: 19.32 FT. (Use "+" if Above Top of Casing)		Tommy Bolyard	
		PRINTED NAME OF PERSON CONSTRUCTING THE WELL	

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617
Mail Service Center - Raleigh, NC 27699-1617 Phone No. (919) 733-7016 ext 668.

Form GW-1b
Rev 7/05

**NONRESIDENTIAL**North Carolina Department of Environment and **WELL CONSTRUCTION RECORD**

Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION #3307

1. WELL CONTRACTOR: Environmental Drilling & Probing Services, LLC (EDPS)		d. TOP OF CASING IS 2.5 FT. Above Land Surface*	
Well Contractor (Individual) Name Tommy Bolyard		*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .01 18.	
Well Contractor Company Name STREET ADDRESS 17538 Greenhill Rd. Charlotte NC 28278		e. YIELD (gpm): NA METHOD OF TEST NA	
City or Town State Zip Code		f. DISINFECTION: Type NA Amount NA	
Area code- Phone number (704) 607-7529		g. WATER ZONES (depth): From To From To	
2. WELL INFORMATION: SITE WELL ID # (if applicable)		NA	
STATE WELL PERMIT # (if applicable)		From To From To	
DWO or OTHER PERMIT # (if applicable)		8. CASING: Diameter 2" Weight Sch.40 Material PVC Thickness/ Depth To Ft.	
WELL USE (Check Applicable Box) Monitoring <input checked="" type="checkbox"/> Municipal/Public D		From 10 To 0 Ft.	
Industrial/Commercial D Agricultural n Recovery n Injection n		From To Ft.	
DATE DRILLED 2/8/06		7. GROUT: Depth Material Method From	
TIME COMPLETED		To Ft.	
3. WELL LOCATION CITY: Huntersville COUNTY Meck		From 8 To 6 Ft. Bentonite Tremie	
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)		From 8 To 0 Ft. Grout Tremie	
TOPOGRAPHIC / LAND SETTING: Slope Valley Flat Ridge Other		SCREEN	
LATITUDE: N35°24'38" May be in degrees.		From 25 To 10 Ft.	
LONGITUDE: W80°50'35" minutes, seconds or in a		9. SAND/GRAVEL PACK: Depth Size Material	
Latitude/longitude source: GPS Topographic map (location of well must be shown on a USGS topo map and attached to this form if not using GPS)		From To Ft. #2. Med. Sand	
4. FACILITY- is the name of the business where the well is located.		From 25 To 8 Ft.	
FACILITY ID # (if applicable)		From To Ft.	
NAME OF FACILITY North Mecklenburg C&D Landfill		10. DRILLING LOG From To Formation Description	
STREET ADDRESS Holbrooks Road		0-25' Sands	
City or Town State Zip Code			
MAILING ADDRESS			
City or Town State Zip Code			
Area code - Phone number			
5. WELL DETAILS: TOTAL DEPTH: 25'		11. REMARKS:	
b. DOES WELL REPLACE EXISTING WELL? YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		Well ID No: MW-6	
c. WATER LEVEL Below Top of Casing: 12.65 FT. (Use "+" if Above Top of Casing)		I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C. WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.	
		SIGNATURE OF CERTIFIED WELL CONTRACTOR Tommy Bolyard DATE 2/13/06	
		PRINTED NAME OF PERSON CONSTRUCTING THE WELL	

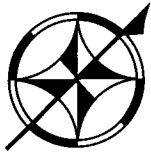
Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617
Mail Service Center - Raleigh, NC 27699-1617 Phone No. (919) 733-7016 ext 668.

Form GW-1b
Rev. 7/05

March 8, 2006

North Mecklenburg C&D Landfill Expansion II Monitoring Well Elevation Data

Well	Top of Casing (PVC) Elevation	Top of Casing (PVC) Elevation Above Ground	Elevation at Ground Surface	Top of Concrete	Top of Protective Casing
MW-1	744.72	2.5	742.22	741.46	745.31
MW-2	686.92	2.5	684.42	684.25	687.21
MW-3	676.27	2.5	673.77	674.05	676.52
MW-4	674.27	2.5	671.77	671.70	674.62
MW-5	674.40	2.5	671.90	672.29	674.85
MW-6	681.39	2.5	678.89	679.25	681.69



CHAS. H. SELLS, INC.

Consulting Engineers, Surveyors & Photogrammetrists

60-13 17

PRINCIPALS
STEVEN W. SMITH, P.E.
SUSAN K. FASNACHT, P.E.
MOSE D. BUONOCORE, P.E.
THOMAS NOVELLINO, C.P., P.P.S.
SENIOR ASSOCIATES
DAN E. BREWER, P.E.
C. ROSS MASSEY, P.E.
DAVID K. BRUBAKER, P.L.S.

January 6, 2006

NCDENR, Division of Waste Management
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Attention: Mr. Ed Mussler, P.E.

Reference: **Phase 1 As-Built Subgrade Verification**
Highway 55 C&D Landfill
Wake County, North Carolina

Gentlemen:

Chas. H. Sells, Inc. has verified subgrade elevations of the as-built subgrade for a 1.4 acre eastern portion of Phase 1. All locations checked verified the minimum permitted subgrade elevations. A copy of the as-built elevations for this portion of the Phase 1 area is attached for reference.

If you have any questions or need additional information, please contact us.

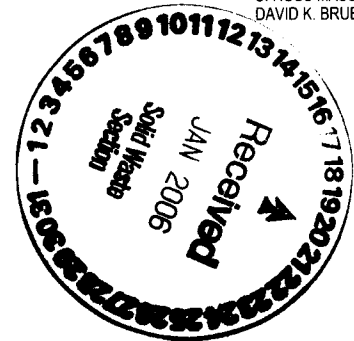
Respectfully Submitted,

Chas. H. Sells, Inc.

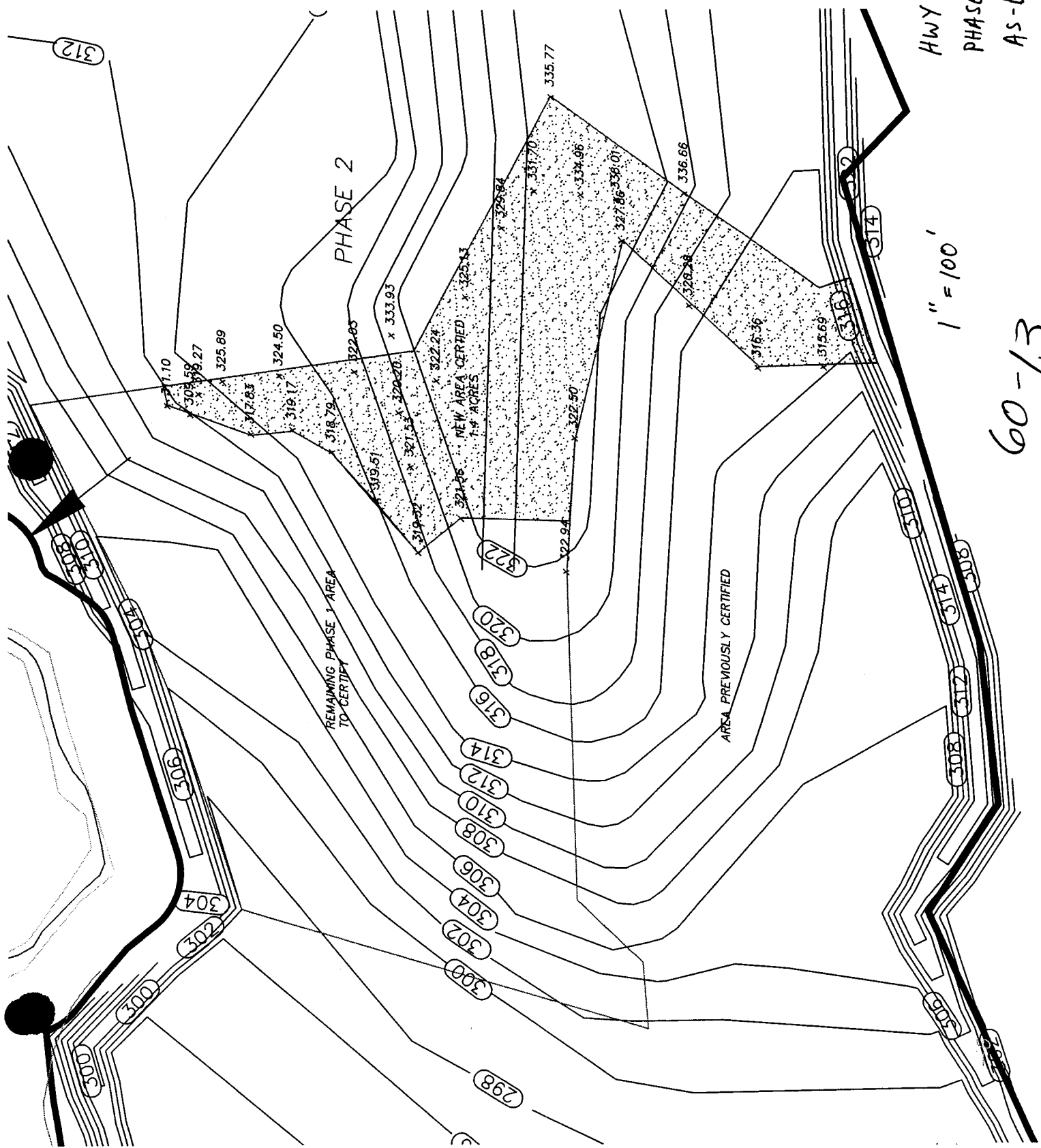
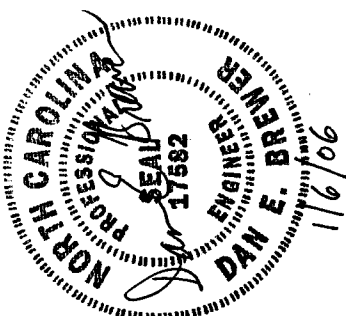
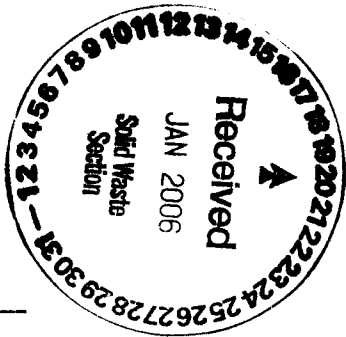
Dan E. Brewer, P.E.
Senior Associate



cc: Mr. Ron Gilkerson



60-13
N Mecklenburg
C&D
Mech-CTY
permit file



HWY 55 C+D LANDFILL
PHASE 1 SUBGRADE
AS-BUILT CERTIFICATION
WAKE COUNTY, NC

1" = 100'

60-13